|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 271.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 95.00 | 95.00 | 2.19 | 271.00 | 94.98 | 1.67 | 0.03 | -1.82 | 1.82 | 271.00 | 0.69 |
| 3 | 122.75 | 27.75 | 3.69 | 267.32 | 122.69 | 2.97 | 0.01 | -3.24 | 3.24 | 270.19 | 1.63 |
| 4 | 131.97 | 9.22 | 3.89 | 268.94 | 131.89 | 3.52 | -0.01 | -3.85 | 3.85 | 269.86 | 0.74 |
| 5 | 141.25 | 9.28 | 3.62 | 271.58 | 141.15 | 4.07 | -0.01 | -4.45 | 4.45 | 269.92 | 1.04 |
| 6 | 150.45 | 9.20 | 3.68 | 273.52 | 150.33 | 4.62 | 0.02 | -5.04 | 5.04 | 270.22 | 0.45 |
| 7 | 159.71 | 9.26 | 4.02 | 279.87 | 159.57 | 5.21 | 0.09 | -5.66 | 5.66 | 270.93 | 1.77 |
| 8 | 168.98 | 9.27 | 4.47 | 291.03 | 168.81 | 5.89 | 0.27 | -6.32 | 6.32 | 272.49 | 3.04 |
| 9 | 178.27 | 9.29 | 4.95 | 303.52 | 178.07 | 6.65 | 0.62 | -6.99 | 7.02 | 275.10 | 3.65 |
| 10 | 187.52 | 9.25 | 5.51 | 304.29 | 187.28 | 7.48 | 1.09 | -7.69 | 7.77 | 278.09 | 1.83 |
| 11 | 196.70 | 9.18 | 5.98 | 304.55 | 196.42 | 8.39 | 1.61 | -8.45 | 8.60 | 280.81 | 1.54 |
| 12 | 205.93 | 9.23 | 6.43 | 296.19 | 205.59 | 9.38 | 2.12 | -9.31 | 9.55 | 282.81 | 3.28 |
| 13 | 215.14 | 9.21 | 7.44 | 290.37 | 214.74 | 10.49 | 2.56 | -10.33 | 10.64 | 283.90 | 4.01 |
| 14 | 224.68 | 9.54 | 8.47 | 287.66 | 224.18 | 11.80 | 2.99 | -11.58 | 11.96 | 284.46 | 3.45 |
| 15 | 234.23 | 9.55 | 9.48 | 285.68 | 233.62 | 13.28 | 3.41 | -13.01 | 13.45 | 284.71 | 3.32 |
| 16 | 243.72 | 9.49 | 10.89 | 285.98 | 242.96 | 14.94 | 3.87 | -14.62 | 15.13 | 284.83 | 4.46 |
| 17 | 253.27 | 9.55 | 12.01 | 286.34 | 252.32 | 16.82 | 4.40 | -16.44 | 17.02 | 284.98 | 3.53 |
| 18 | 262.70 | 9.43 | 13.25 | 286.88 | 261.52 | 18.87 | 4.99 | -18.42 | 19.08 | 285.15 | 3.96 |
| 19 | 272.24 | 9.54 | 13.99 | 288.19 | 270.79 | 21.10 | 5.67 | -20.56 | 21.33 | 285.41 | 2.52 |
| 20 | 281.75 | 9.51 | 14.23 | 290.57 | 280.01 | 23.41 | 6.43 | -22.75 | 23.64 | 285.79 | 2.00 |
| 21 | 291.25 | 9.50 | 14.52 | 292.82 | 289.22 | 25.77 | 7.31 | -24.94 | 25.99 | 286.33 | 2.00 |
| 22 | 300.64 | 9.39 | 14.97 | 293.69 | 298.30 | 28.16 | 8.25 | -27.14 | 28.36 | 286.91 | 1.61 |
| 23 | 310.09 | 9.45 | 15.44 | 295.87 | 307.42 | 30.64 | 9.29 | -29.39 | 30.82 | 287.54 | 2.35 |
| 24 | 319.59 | 9.50 | 15.61 | 297.61 | 316.57 | 33.18 | 10.43 | -31.66 | 33.33 | 288.24 | 1.57 |
| 25 | 329.02 | 9.43 | 16.32 | 297.81 | 325.64 | 35.76 | 11.64 | -33.95 | 35.89 | 288.92 | 2.27 |
| 26 | 338.49 | 9.47 | 17.33 | 298.02 | 334.70 | 38.50 | 12.92 | -36.37 | 38.60 | 289.56 | 3.21 |
| 27 | 347.93 | 9.44 | 18.38 | 298.23 | 343.69 | 41.38 | 14.29 | -38.93 | 41.47 | 290.15 | 3.34 |
| 28 | 357.47 | 9.54 | 20.19 | 297.12 | 352.69 | 44.53 | 15.75 | -41.72 | 44.59 | 290.68 | 5.81 |
| 29 | 366.90 | 9.43 | 21.28 | 296.55 | 361.51 | 47.86 | 17.26 | -44.70 | 47.91 | 291.11 | 3.53 |
| 30 | 376.35 | 9.45 | 23.02 | 296.11 | 370.26 | 51.42 | 18.84 | -47.89 | 51.46 | 291.47 | 5.55 |
| 31 | 385.83 | 9.48 | 24.78 | 296.15 | 378.93 | 55.26 | 20.53 | -51.34 | 55.29 | 291.80 | 5.57 |
| 32 | 395.22 | 9.39 | 25.89 | 296.21 | 387.42 | 59.27 | 22.30 | -54.94 | 59.30 | 292.09 | 3.55 |
| 33 | 404.66 | 9.44 | 27.50 | 296.32 | 395.85 | 63.51 | 24.18 | -58.75 | 63.53 | 292.37 | 5.12 |
| 34 | 414.10 | 9.44 | 28.62 | 296.41 | 404.18 | 67.94 | 26.15 | -62.72 | 67.96 | 292.63 | 3.56 |
| 35 | 423.54 | 9.44 | 30.41 | 296.55 | 412.39 | 72.59 | 28.22 | -66.89 | 72.60 | 292.88 | 5.69 |
| 36 | 433.36 | 9.82 | 31.94 | 296.72 | 420.80 | 77.67 | 30.50 | -71.43 | 77.67 | 293.12 | 4.68 |
| 37 | 442.46 | 9.10 | 32.87 | 295.92 | 428.48 | 82.54 | 32.66 | -75.80 | 82.54 | 293.31 | 3.38 |
| 38 | 451.93 | 9.47 | 33.76 | 295.11 | 436.39 | 87.74 | 34.91 | -80.50 | 87.74 | 293.44 | 3.15 |
| 39 | 461.37 | 9.44 | 35.35 | 294.39 | 444.17 | 93.09 | 37.15 | -85.36 | 93.09 | 293.52 | 5.22 |
| 40 | 470.89 | 9.52 | 36.97 | 293.30 | 451.85 | 98.71 | 39.42 | -90.50 | 98.71 | 293.54 | 5.49 |
| 41 | 480.33 | 9.44 | 38.07 | 293.18 | 459.34 | 104.46 | 41.69 | -95.78 | 104.46 | 293.52 | 3.50 |
| 42 | 489.77 | 9.44 | 39.40 | 292.44 | 466.70 | 110.36 | 43.98 | -101.22 | 110.36 | 293.48 | 4.48 |
| 43 | 499.22 | 9.45 | 40.13 | 292.15 | 473.97 | 116.40 | 46.27 | -106.82 | 116.41 | 293.42 | 2.39 |
| 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 | 508.61 | 9.39 | 40.72 | 291.96 | 481.11 | 122.49 | 48.56 | -112.46 | 122.49 | 293.35 | 1.93 |
| 45 | 518.06 | 9.45 | 40.41 | 292.37 | 488.29 | 128.63 | 50.87 | -118.15 | 128.64 | 293.30 | 1.30 |
| 46 | 527.50 | 9.44 | 40.21 | 292.38 | 495.49 | 134.74 | 53.20 | -123.80 | 134.74 | 293.25 | 0.64 |
| 47 | 536.93 | 9.43 | 40.13 | 292.43 | 502.70 | 140.82 | 55.52 | -129.42 | 140.83 | 293.22 | 0.27 |
| 48 | 551.11 | 14.18 | 40.42 | 292.05 | 513.52 | 149.98 | 58.99 | -137.91 | 149.99 | 293.16 | 0.80 |
| 49 | 573.39 | 22.28 | 41.04 | 291.58 | 530.40 | 164.51 | 64.39 | -151.40 | 164.53 | 293.04 | 0.93 |
| 50 | 601.81 | 28.42 | 40.96 | 291.41 | 551.85 | 183.14 | 71.22 | -168.75 | 183.16 | 292.88 | 0.14 |
| 51 | 630.28 | 28.47 | 40.52 | 291.24 | 573.42 | 201.71 | 77.98 | -186.06 | 201.74 | 292.74 | 0.48 |
| 52 | 658.57 | 28.29 | 40.17 | 291.24 | 594.98 | 220.00 | 84.61 | -203.13 | 220.05 | 292.61 | 0.37 |
| 53 | 686.97 | 28.40 | 39.90 | 291.24 | 616.73 | 238.25 | 91.23 | -220.16 | 238.31 | 292.51 | 0.29 |
| 54 | 715.33 | 28.36 | 39.55 | 291.40 | 638.54 | 256.36 | 97.82 | -237.04 | 256.43 | 292.42 | 0.39 |
| 55 | 743.71 | 28.38 | 39.29 | 291.24 | 660.46 | 274.37 | 104.37 | -253.83 | 274.45 | 292.35 | 0.30 |
| 56 | 772.13 | 28.42 | 39.11 | 290.88 | 682.49 | 292.31 | 110.83 | -270.59 | 292.41 | 292.27 | 0.31 |
| 57 | 800.44 | 28.31 | 38.94 | 290.71 | 704.48 | 310.11 | 117.16 | -287.26 | 310.23 | 292.19 | 0.21 |
| 58 | 828.75 | 28.31 | 38.94 | 290.00 | 726.50 | 327.87 | 123.35 | -303.94 | 328.01 | 292.09 | 0.47 |
| 59 | 857.03 | 28.28 | 38.67 | 289.83 | 748.54 | 345.55 | 129.38 | -320.60 | 345.72 | 291.98 | 0.31 |
| 60 | 885.45 | 28.42 | 39.11 | 289.65 | 770.66 | 363.35 | 135.41 | -337.40 | 363.55 | 291.87 | 0.48 |
| 61 | 913.84 | 28.39 | 39.20 | 289.48 | 792.67 | 381.23 | 141.41 | -354.29 | 381.47 | 291.76 | 0.15 |
| 62 | 942.21 | 28.37 | 39.29 | 289.13 | 814.64 | 399.12 | 147.34 | -371.22 | 399.40 | 291.65 | 0.25 |
| 63 | 970.48 | 28.27 | 39.46 | 288.77 | 836.50 | 416.99 | 153.17 | -388.19 | 417.31 | 291.53 | 0.30 |
| 64 | 998.78 | 28.30 | 38.81 | 291.41 | 858.45 | 434.82 | 159.30 | -404.96 | 435.17 | 291.47 | 1.90 |
| 65 | 1027.38 | 28.60 | 38.90 | 291.41 | 880.72 | 452.74 | 165.85 | -421.66 | 453.11 | 291.47 | 0.09 |
| 66 | 1055.92 | 28.54 | 38.87 | 291.06 | 902.94 | 470.64 | 172.34 | -438.36 | 471.03 | 291.46 | 0.23 |
| 67 | 1084.29 | 28.37 | 38.95 | 291.06 | 925.01 | 488.44 | 178.75 | -454.99 | 488.84 | 291.45 | 0.08 |
| 68 | 1112.81 | 28.52 | 38.70 | 290.36 | 947.23 | 506.30 | 185.07 | -471.72 | 506.72 | 291.42 | 0.53 |
| 69 | 1141.42 | 28.61 | 38.78 | 291.76 | 969.55 | 524.18 | 191.50 | -488.43 | 524.63 | 291.41 | 0.92 |
| 70 | 1169.80 | 28.38 | 39.11 | 292.29 | 991.62 | 542.01 | 198.19 | -504.96 | 542.46 | 291.43 | 0.50 |
| 71 | 1198.25 | 28.45 | 39.11 | 292.53 | 1013.69 | 559.95 | 205.03 | -521.55 | 560.41 | 291.46 | 0.16 |
| 72 | 1226.81 | 28.56 | 39.11 | 292.82 | 1035.85 | 577.97 | 211.98 | -538.18 | 578.42 | 291.50 | 0.19 |
| 73 | 1255.22 | 28.41 | 38.76 | 292.82 | 1057.95 | 595.82 | 218.90 | -554.63 | 596.27 | 291.54 | 0.37 |
| 74 | 1283.81 | 28.59 | 40.25 | 292.29 | 1080.01 | 614.00 | 225.88 | -571.43 | 614.45 | 291.57 | 1.60 |
| 75 | 1312.35 | 28.54 | 42.80 | 295.10 | 1101.38 | 632.92 | 233.48 | -588.75 | 633.36 | 291.63 | 3.32 |
| 76 | 1321.90 | 9.55 | 43.61 | 295.80 | 1108.34 | 639.45 | 236.29 | -594.66 | 639.88 | 291.67 | 2.96 |
| 77 | 1331.45 | 9.55 | 44.43 | 296.55 | 1115.20 | 646.08 | 239.22 | -600.61 | 646.50 | 291.72 | 3.05 |
| 78 | 1340.95 | 9.50 | 45.58 | 297.39 | 1121.92 | 652.79 | 242.26 | -606.60 | 653.19 | 291.77 | 4.09 |
| 79 | 1350.47 | 9.52 | 46.60 | 297.41 | 1128.52 | 659.63 | 245.42 | -612.69 | 660.01 | 291.83 | 3.21 |
| 80 | 1359.89 | 9.42 | 47.98 | 297.38 | 1134.91 | 666.54 | 248.61 | -618.83 | 666.90 | 291.89 | 4.40 |
| 81 | 1369.33 | 9.44 | 49.30 | 297.39 | 1141.15 | 673.61 | 251.86 | -625.12 | 673.96 | 291.94 | 4.19 |
| 82 | 1378.86 | 9.53 | 50.21 | 297.41 | 1147.31 | 680.87 | 255.21 | -631.58 | 681.20 | 292.00 | 2.87 |
| 83 | 1388.28 | 9.42 | 51.17 | 297.37 | 1153.28 | 688.15 | 258.57 | -638.05 | 688.45 | 292.06 | 3.06 |
| 84 | 1397.82 | 9.54 | 52.65 | 297.39 | 1159.16 | 695.64 | 262.02 | -644.72 | 695.93 | 292.12 | 4.65 |
| 85 | 1407.31 | 9.49 | 52.74 | 297.44 | 1164.91 | 703.17 | 265.49 | -651.42 | 703.45 | 292.17 | 0.31 |
| 86 | 1416.74 | 9.43 | 52.88 | 297.52 | 1170.61 | 710.67 | 268.96 | -658.09 | 710.93 | 292.23 | 0.49 |
| 87 | 1426.27 | 9.53 | 53.00 | 297.56 | 1176.36 | 718.26 | 272.48 | -664.83 | 718.50 | 292.29 | 0.39 |
| 88 | 1435.69 | 9.42 | 52.78 | 297.55 | 1182.04 | 725.75 | 275.95 | -671.49 | 725.98 | 292.34 | 0.70 |
| 89 | 1445.02 | 9.33 | 52.89 | 297.51 | 1187.68 | 733.17 | 279.39 | -678.08 | 733.39 | 292.39 | 0.37 |
| 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 | 1454.42 | 9.40 | 53.06 | 297.56 | 1193.34 | 740.66 | 282.86 | -684.74 | 740.86 | 292.45 | 0.56 |
| 91 | 1463.86 | 9.44 | 54.75 | 298.21 | 1198.90 | 748.27 | 286.43 | -691.48 | 748.45 | 292.50 | 5.62 |
| 92 | 1473.28 | 9.42 | 55.68 | 298.87 | 1204.27 | 755.98 | 290.12 | -698.28 | 756.15 | 292.56 | 3.43 |
| 93 | 1482.79 | 9.51 | 57.21 | 299.89 | 1209.53 | 763.87 | 294.01 | -705.18 | 764.02 | 292.63 | 5.52 |
| 94 | 1483.66 | 0.87 | 57.31 | 299.91 | 1210.00 | 764.59 | 294.37 | -705.82 | 764.74 | 292.64 | 3.50 |
| 95 | 1492.30 | 8.64 | 58.35 | 300.06 | 1214.60 | 771.86 | 298.03 | -712.15 | 772.00 | 292.71 | 3.64 |
| 96 | 1501.74 | 9.44 | 59.17 | 299.73 | 1219.49 | 779.89 | 302.05 | -719.15 | 780.01 | 292.78 | 2.76 |
| 97 | 1511.24 | 9.50 | 59.94 | 299.07 | 1224.31 | 788.04 | 306.07 | -726.28 | 788.14 | 292.85 | 3.02 |
| 98 | 1539.62 | 28.38 | 60.82 | 298.21 | 1238.33 | 812.62 | 317.90 | -747.93 | 812.69 | 293.03 | 1.22 |
| 99 | 1549.06 | 9.44 | 60.92 | 298.19 | 1242.93 | 820.84 | 321.79 | -755.20 | 820.90 | 293.08 | 0.32 |
| 100 | 1567.96 | 18.90 | 61.22 | 298.22 | 1252.07 | 837.34 | 329.61 | -769.78 | 837.38 | 293.18 | 0.48 |
| 101 | 1578.27 | 10.31 | 61.68 | 298.35 | 1257.00 | 846.36 | 333.90 | -777.75 | 846.40 | 293.23 | 1.38 |
| 102 | 1596.26 | 17.99 | 62.48 | 298.59 | 1265.42 | 862.21 | 341.48 | -791.73 | 862.23 | 293.33 | 1.38 |
| 103 | 1624.78 | 28.52 | 61.67 | 298.03 | 1278.78 | 887.33 | 353.43 | -813.91 | 887.34 | 293.47 | 1.00 |
| 104 | 1653.15 | 28.37 | 60.95 | 297.62 | 1292.40 | 912.15 | 365.05 | -835.92 | 912.15 | 293.59 | 0.85 |
| 105 | 1681.44 | 28.29 | 61.69 | 297.33 | 1305.98 | 936.92 | 376.50 | -857.94 | 936.92 | 293.69 | 0.83 |
| 106 | 1709.85 | 28.41 | 62.75 | 297.14 | 1319.22 | 962.01 | 388.00 | -880.29 | 962.01 | 293.79 | 1.13 |
| 107 | 1738.36 | 28.51 | 62.75 | 296.86 | 1332.27 | 987.31 | 399.51 | -902.87 | 987.31 | 293.87 | 0.26 |
| 108 | 1760.00 | 21.64 | 62.75 | 297.14 | 1342.18 | 1006.52 | 408.24 | -920.02 | 1006.52 | 293.93 | 0.35 |