

JUL 13 2018

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# Directional Survey Report

Company: **Centennial Resource Production**  
 Well: **Tour Bus 23 State 505H ST01**  
 County: **Lea County**  
 State: **New Mexico**  
 Field: **Ojo Chiso, Bone Spring**  
 API: **30-025-44614**  
 Rig: **H&P 650**  
 Service Co: **Gordon Technologies, LLC**  
 Job #: **GT180186**  
 Survey Calc: **Minimum Curvature**

Well Surface Location  
 Latitude: **32.383629**  
 Longitude: **-103.434326**  
 Reference: **NAD 1983**  
 Y (Northing) **504461.9**  
 X (Easting) **818857.24**  
 Field Engr: **Fidel Garcia**  
**Derrick Richard**

Report Date **May 26 2018**  
 Time: **21:05**  
 Mag Reference: **True North**  
 Mag Correction: **6.81**  
 Vert Sect. Azi: **187.31**  
 Perm Datum **Mean Sea Level**  
 Depth Ref **Rotary Table**  
 RKB Height: **25**  
 GL Elev: **3475**

| Survey | MD     | Inc  | Azimuth | TVD    | VS     | Rectangular Offsets |       | Closure |        | Course | DLS  | Temp | Source |
|--------|--------|------|---------|--------|--------|---------------------|-------|---------|--------|--------|------|------|--------|
| Tie In | 0      | 0    | 0       | 0      | 0      | NS                  | EW    | Dist    | Angle  | Length | 0    |      |        |
| 1      | 25.00  | 0.00 | 0.00    | 25.00  | 0.00   | 0.00                | 0.00  | 0.00    | 90.00  | 25.00  | 0.00 |      |        |
| 2      | 143.00 | 0.50 | 254.84  | 143.00 | 254.84 | 0.20                | -0.13 | 0.24    | 325.62 | 118.00 | 0.42 |      |        |
| 3      | 174.00 | 0.40 | 313.84  | 174.00 | 262.33 | 0.18                | -0.10 | 0.21    | 332.68 | 31.00  | 1.46 |      |        |
| 4      | 233.00 | 0.30 | 262.84  | 233.00 | 271.61 | 0.10                | 0.03  | 0.10    | 15.81  | 59.00  | 0.53 |      |        |
| 5      | 261.00 | 0.30 | 163.84  | 261.00 | 267.23 | 0.19                | -0.05 | 0.19    | 344.58 | 28.00  | 1.63 |      |        |
| 6      | 294.00 | 0.90 | 253.84  | 293.99 | 260.87 | 0.37                | -0.21 | 0.42    | 330.73 | 33.00  | 2.87 |      |        |
| 7      | 325.00 | 0.50 | 216.84  | 324.99 | 256.56 | 0.58                | -0.38 | 0.70    | 326.73 | 31.00  | 1.88 |      |        |
| 8      | 357.00 | 0.30 | 230.84  | 356.99 | 252.63 | 0.76                | -0.55 | 0.94    | 324.43 | 32.00  | 0.69 |      |        |
| 9      | 388.00 | 0.40 | 282.84  | 387.99 | 253.32 | 0.81                | -0.57 | 1.00    | 324.78 | 31.00  | 1.03 |      |        |
| 10     | 420.00 | 0.30 | 218.84  | 419.99 | 253.52 | 0.87                | -0.61 | 1.07    | 324.89 | 32.00  | 1.19 |      |        |
| 11     | 483.00 | 0.20 | 223.84  | 482.99 | 249.98 | 1.10                | -0.82 | 1.38    | 323.29 | 63.00  | 0.16 |      |        |
| 12     | 514.00 | 0.60 | 251.84  | 513.99 | 249.58 | 1.22                | -0.91 | 1.52    | 323.14 | 31.00  | 1.40 |      |        |
| 13     | 545.00 | 0.20 | 267.84  | 544.99 | 250.05 | 1.29                | -0.96 | 1.61    | 323.32 | 31.00  | 1.33 |      |        |
| 14     | 577.00 | 0.30 | 236.84  | 576.99 | 250.01 | 1.36                | -1.01 | 1.69    | 323.30 | 32.00  | 0.51 |      |        |
| 15     | 608.00 | 0.60 | 238.84  | 607.99 | 249.12 | 1.51                | -1.14 | 1.89    | 322.97 | 31.00  | 0.97 |      |        |
| 16     | 640.00 | 0.60 | 238.84  | 639.99 | 248.15 | 1.72                | -1.31 | 2.17    | 322.63 | 32.00  | 0.00 |      |        |
| 17     | 671.00 | 0.80 | 243.84  | 670.98 | 247.52 | 1.94                | -1.49 | 2.45    | 322.42 | 31.00  | 0.67 |      |        |
| 18     | 703.00 | 0.60 | 258.84  | 702.98 | 247.77 | 2.12                | -1.62 | 2.67    | 322.50 | 32.00  | 0.84 |      |        |
| 19     | 734.00 | 0.50 | 277.84  | 733.98 | 249.01 | 2.17                | -1.64 | 2.72    | 322.93 | 31.00  | 0.67 |      |        |
| 20     | 765.00 | 0.60 | 216.84  | 764.98 | 248.76 | 2.31                | -1.75 | 2.90    | 322.84 | 31.00  | 1.82 |      |        |
| 21     | 797.00 | 0.50 | 220.84  | 796.98 | 247.03 | 2.57                | -1.99 | 3.25    | 322.26 | 32.00  | 0.33 |      |        |

|    |         |      |        |         |        |        |       |       |        |        |      |        |                     |
|----|---------|------|--------|---------|--------|--------|-------|-------|--------|--------|------|--------|---------------------|
| 22 | 828.00  | 0.20 | 194.84 | 827.98  | 245.91 | 2.74   | -2.14 | 3.48  | 321.92 | 31.00  | 1.07 |        |                     |
| 23 | 860.00  | 0.50 | 313.84 | 859.98  | 246.83 | 2.71   | -2.10 | 3.43  | 322.20 | 32.00  | 1.94 |        |                     |
| 24 | 891.00  | 0.50 | 295.84 | 890.97  | 249.20 | 2.58   | -1.95 | 3.24  | 323.00 | 31.00  | 0.50 |        |                     |
| 25 | 923.00  | 0.20 | 285.84 | 922.97  | 250.57 | 2.53   | -1.87 | 3.15  | 323.52 | 32.00  | 0.95 |        |                     |
| 26 | 954.00  | 0.50 | 299.84 | 953.97  | 251.90 | 2.47   | -1.79 | 3.05  | 324.10 | 31.00  | 1.00 |        |                     |
| 27 | 986.00  | 0.30 | 269.84 | 985.97  | 253.15 | 2.43   | -1.72 | 2.98  | 324.69 | 32.00  | 0.88 |        |                     |
| 28 | 1049.00 | 0.10 | 274.84 | 1048.97 | 253.78 | 2.45   | -1.72 | 2.99  | 325.02 | 63.00  | 0.32 |        |                     |
| 29 | 1112.00 | 0.20 | 258.84 | 1111.97 | 254.05 | 2.49   | -1.73 | 3.03  | 325.17 | 63.00  | 0.17 |        |                     |
| 30 | 1143.00 | 0.10 | 318.84 | 1142.97 | 254.31 | 2.49   | -1.72 | 3.03  | 325.31 | 31.00  | 0.56 |        |                     |
| 31 | 1175.00 | 0.60 | 280.84 | 1174.97 | 255.19 | 2.46   | -1.67 | 2.97  | 325.83 | 32.00  | 1.64 |        |                     |
| 32 | 1206.00 | 0.30 | 290.84 | 1205.97 | 256.19 | 2.43   | -1.61 | 2.92  | 326.47 | 31.00  | 1.00 |        |                     |
| 33 | 1237.00 | 0.90 | 303.84 | 1236.97 | 258.04 | 2.30   | -1.45 | 2.72  | 327.88 | 31.00  | 1.97 |        |                     |
| 34 | 1300.00 | 0.40 | 265.84 | 1299.96 | 260.96 | 2.13   | -1.19 | 2.44  | 330.83 | 63.00  | 1.01 |        |                     |
| 35 | 1332.00 | 0.50 | 265.84 | 1331.96 | 261.12 | 2.18   | -1.21 | 2.49  | 331.03 | 32.00  | 0.31 |        |                     |
| 36 | 1363.00 | 0.50 | 305.84 | 1362.96 | 261.87 | 2.14   | -1.14 | 2.42  | 332.03 | 31.00  | 1.10 |        |                     |
| 37 | 1395.00 | 0.80 | 263.84 | 1394.96 | 262.59 | 2.12   | -1.08 | 2.38  | 333.09 | 32.00  | 1.70 |        |                     |
| 38 | 1426.00 | 0.70 | 273.84 | 1425.96 | 262.86 | 2.19   | -1.09 | 2.44  | 333.53 | 31.00  | 0.53 |        |                     |
| 39 | 1458.00 | 0.80 | 303.84 | 1457.95 | 264.02 | 2.10   | -0.95 | 2.30  | 335.61 | 32.00  | 1.25 |        |                     |
| 40 | 1489.00 | 0.90 | 300.84 | 1488.95 | 265.73 | 1.90   | -0.71 | 2.03  | 339.66 | 31.00  | 0.35 |        |                     |
| 41 | 1521.00 | 1.10 | 301.84 | 1520.95 | 267.61 | 1.68   | -0.42 | 1.73  | 346.09 | 32.00  | 0.63 |        |                     |
| 42 | 1552.00 | 1.30 | 284.84 | 1551.94 | 269.09 | 1.51   | -0.17 | 1.52  | 353.64 | 31.00  | 1.31 |        |                     |
| 43 | 1584.00 | 1.00 | 250.84 | 1583.93 | 269.14 | 1.58   | -0.17 | 1.59  | 353.99 | 32.00  | 2.28 |        |                     |
| 44 | 1615.00 | 0.80 | 243.84 | 1614.93 | 268.27 | 1.82   | -0.35 | 1.86  | 349.11 | 31.00  | 0.74 |        |                     |
| 45 | 1646.00 | 0.60 | 274.84 | 1645.93 | 267.93 | 1.95   | -0.43 | 2.00  | 347.49 | 31.00  | 1.36 |        |                     |
| 46 | 1709.00 | 0.80 | 280.84 | 1708.92 | 268.55 | 1.94   | -0.32 | 1.96  | 350.56 | 63.00  | 0.34 |        |                     |
| 47 | 1741.00 | 0.90 | 257.84 | 1740.92 | 268.55 | 2.01   | -0.33 | 2.03  | 350.58 | 32.00  | 1.10 |        |                     |
| 48 | 1804.00 | 1.00 | 284.84 | 1803.91 | 268.80 | 2.10   | -0.30 | 2.12  | 351.97 | 63.00  | 0.72 |        |                     |
| 49 | 1835.00 | 1.00 | 287.84 | 1834.91 | 269.44 | 2.02   | -0.14 | 2.02  | 355.90 | 31.00  | 0.17 |        |                     |
| 50 | 1984.00 | 1.37 | 267.83 | 1983.87 | 270.60 | 2.07   | 0.19  | 2.08  | 5.15   | 149.00 | 0.37 | 92.00  | Gordon Technologies |
| 51 | 2078.00 | 2.72 | 281.84 | 2077.81 | 271.64 | 2.08   | 0.60  | 2.17  | 16.13  | 94.00  | 1.52 | 92.00  | Gordon Technologies |
| 52 | 2172.00 | 3.83 | 283.92 | 2171.66 | 273.95 | 1.54   | 1.81  | 2.38  | 49.63  | 94.00  | 1.19 | 99.10  | Gordon Technologies |
| 53 | 2266.00 | 4.93 | 286.06 | 2265.38 | 276.34 | 0.57   | 3.69  | 3.73  | 81.26  | 94.00  | 1.18 | 99.10  | Gordon Technologies |
| 54 | 2360.00 | 5.15 | 287.34 | 2359.02 | 278.39 | -0.78  | 6.06  | 6.11  | 97.35  | 94.00  | 0.26 | 106.30 | Gordon Technologies |
| 55 | 2454.00 | 5.05 | 288.14 | 2452.65 | 279.95 | -2.29  | 8.61  | 8.91  | 104.93 | 94.00  | 0.13 | 106.30 | Gordon Technologies |
| 56 | 2548.00 | 4.91 | 287.66 | 2546.29 | 281.07 | -3.79  | 11.12 | 11.75 | 108.85 | 94.00  | 0.16 | 106.30 | Gordon Technologies |
| 57 | 2642.00 | 5.18 | 291.63 | 2639.93 | 282.14 | -5.57  | 13.90 | 14.97 | 111.83 | 94.00  | 0.47 | 106.30 | Gordon Technologies |
| 58 | 2736.00 | 5.34 | 294.08 | 2733.53 | 283.37 | -7.88  | 17.25 | 18.96 | 114.55 | 94.00  | 0.29 | 113.40 | Gordon Technologies |
| 59 | 2831.00 | 5.25 | 296.12 | 2828.13 | 284.60 | -10.56 | 20.97 | 23.47 | 116.72 | 95.00  | 0.22 | 113.40 | Gordon Technologies |
| 60 | 2925.00 | 5.20 | 299.57 | 2921.74 | 285.83 | -13.56 | 24.96 | 28.41 | 118.50 | 94.00  | 0.34 | 113.40 | Gordon Technologies |
| 61 | 3019.00 | 4.64 | 307.14 | 3015.39 | 287.21 | -17.06 | 29.36 | 33.96 | 120.16 | 94.00  | 0.91 | 113.40 | Gordon Technologies |
| 62 | 3113.00 | 4.63 | 307.10 | 3109.08 | 288.60 | -20.84 | 33.94 | 39.83 | 121.54 | 94.00  | 0.01 | 120.30 | Gordon Technologies |
| 63 | 3207.00 | 4.44 | 309.87 | 3202.79 | 289.88 | -24.68 | 38.56 | 45.79 | 122.62 | 94.00  | 0.31 | 120.60 | Gordon Technologies |
| 64 | 3301.00 | 4.86 | 306.47 | 3296.48 | 291.01 | -28.58 | 43.26 | 51.85 | 123.45 | 94.00  | 0.53 | 120.60 | Gordon Technologies |

|     |         |      |        |         |        |         |        |        |        |        |      |        |                     |
|-----|---------|------|--------|---------|--------|---------|--------|--------|--------|--------|------|--------|---------------------|
| 65  | 3395.00 | 4.87 | 305.76 | 3390.14 | 291.94 | -32.42  | 47.96  | 57.89  | 124.06 | 94.00  | 0.06 | 120.60 | Gordon Technologies |
| 66  | 3489.00 | 4.22 | 305.90 | 3483.84 | 292.69 | -35.98  | 52.32  | 63.50  | 124.51 | 94.00  | 0.69 | 120.60 | Gordon Technologies |
| 67  | 3584.00 | 4.73 | 300.58 | 3578.56 | 293.23 | -39.20  | 56.36  | 68.65  | 124.81 | 95.00  | 0.69 | 127.70 | Gordon Technologies |
| 68  | 3678.00 | 4.87 | 298.51 | 3672.23 | 293.55 | -42.17  | 60.24  | 73.53  | 124.99 | 94.00  | 0.24 | 127.70 | Gordon Technologies |
| 69  | 3772.00 | 4.63 | 298.36 | 3765.90 | 293.79 | -44.97  | 63.95  | 78.18  | 125.12 | 94.00  | 0.26 | 120.60 | Gordon Technologies |
| 70  | 3866.00 | 4.83 | 296.55 | 3859.58 | 293.96 | -47.64  | 67.52  | 82.63  | 125.21 | 94.00  | 0.27 | 120.60 | Gordon Technologies |
| 71  | 3960.00 | 4.58 | 295.71 | 3953.27 | 294.06 | -50.13  | 70.92  | 86.85  | 125.26 | 94.00  | 0.28 | 120.60 | Gordon Technologies |
| 72  | 4054.00 | 5.00 | 292.11 | 4046.94 | 294.05 | -52.36  | 74.09  | 90.72  | 125.25 | 94.00  | 0.55 | 120.60 | Gordon Technologies |
| 73  | 4149.00 | 5.34 | 293.03 | 4141.55 | 293.98 | -54.62  | 77.37  | 94.71  | 125.22 | 95.00  | 0.37 | 120.60 | Gordon Technologies |
| 74  | 4243.00 | 4.95 | 295.09 | 4235.17 | 293.99 | -57.04  | 80.80  | 98.91  | 125.22 | 94.00  | 0.46 | 113.40 | Gordon Technologies |
| 75  | 4337.00 | 4.36 | 284.18 | 4328.86 | 293.84 | -58.71  | 83.40  | 101.99 | 125.14 | 94.00  | 1.13 | 113.40 | Gordon Technologies |
| 76  | 4431.00 | 4.58 | 284.43 | 4422.58 | 293.51 | -59.60  | 85.21  | 103.98 | 124.97 | 94.00  | 0.23 | 113.40 | Gordon Technologies |
| 77  | 4525.00 | 4.82 | 281.30 | 4516.26 | 293.14 | -60.34  | 86.92  | 105.81 | 124.77 | 94.00  | 0.37 | 113.40 | Gordon Technologies |
| 78  | 4619.00 | 5.03 | 281.27 | 4609.91 | 292.73 | -60.90  | 88.50  | 107.43 | 124.53 | 94.00  | 0.22 | 113.40 | Gordon Technologies |
| 79  | 4713.00 | 4.84 | 283.76 | 4703.57 | 292.38 | -61.63  | 90.25  | 109.28 | 124.33 | 94.00  | 0.30 | 113.40 | Gordon Technologies |
| 80  | 4808.00 | 4.56 | 286.71 | 4798.25 | 292.15 | -62.70  | 92.29  | 111.57 | 124.19 | 95.00  | 0.39 | 113.40 | Gordon Technologies |
| 81  | 4901.00 | 4.96 | 285.87 | 4890.92 | 291.97 | -63.90  | 94.45  | 114.03 | 124.08 | 93.00  | 0.44 | 106.30 | Gordon Technologies |
| 82  | 4995.00 | 5.02 | 286.99 | 4984.57 | 291.80 | -65.19  | 96.76  | 116.67 | 123.97 | 94.00  | 0.12 | 106.30 | Gordon Technologies |
| 83  | 5090.00 | 4.79 | 288.13 | 5079.22 | 291.67 | -66.64  | 99.21  | 119.51 | 123.89 | 95.00  | 0.26 | 106.30 | Gordon Technologies |
| 84  | 5183.00 | 4.75 | 290.35 | 5171.90 | 291.60 | -68.23  | 101.76 | 122.52 | 123.84 | 93.00  | 0.20 | 106.30 | Gordon Technologies |
| 85  | 5278.00 | 4.55 | 293.00 | 5266.59 | 291.60 | -70.14  | 104.60 | 125.94 | 123.85 | 95.00  | 0.31 | 113.40 | Gordon Technologies |
| 86  | 5372.00 | 4.80 | 293.44 | 5360.27 | 291.65 | -72.24  | 107.62 | 129.62 | 123.87 | 94.00  | 0.27 | 113.40 | Gordon Technologies |
| 87  | 5466.00 | 4.84 | 295.91 | 5453.94 | 291.73 | -74.60  | 110.92 | 133.67 | 123.92 | 94.00  | 0.22 | 113.40 | Gordon Technologies |
| 88  | 5560.00 | 4.24 | 294.21 | 5547.65 | 291.81 | -76.87  | 114.07 | 137.56 | 123.98 | 94.00  | 0.65 | 113.40 | Gordon Technologies |
| 89  | 5654.00 | 3.69 | 295.49 | 5641.42 | 291.87 | -78.83  | 116.80 | 140.91 | 124.02 | 94.00  | 0.59 | 113.40 | Gordon Technologies |
| 90  | 5730.00 | 3.45 | 295.88 | 5717.27 | 291.93 | -80.32  | 118.85 | 143.45 | 124.05 | 76.00  | 0.32 | 113.40 | Gordon Technologies |
| 91  | 5843.00 | 3.09 | 301.24 | 5830.09 | 292.06 | -82.64  | 121.91 | 147.28 | 124.13 | 113.00 | 0.42 | 113.40 | Gordon Technologies |
| 92  | 5937.00 | 3.49 | 291.93 | 5923.93 | 292.13 | -84.39  | 124.30 | 150.24 | 124.17 | 94.00  | 0.71 | 120.60 | Gordon Technologies |
| 93  | 6031.00 | 5.20 | 297.97 | 6017.66 | 292.20 | -86.61  | 127.36 | 154.02 | 124.22 | 94.00  | 1.88 | 127.70 | Gordon Technologies |
| 94  | 6125.00 | 6.42 | 297.90 | 6111.18 | 292.35 | -89.96  | 131.82 | 159.59 | 124.31 | 94.00  | 1.30 | 127.70 | Gordon Technologies |
| 95  | 6219.00 | 7.01 | 296.36 | 6204.53 | 292.50 | -93.68  | 136.83 | 165.83 | 124.40 | 94.00  | 0.66 | 127.70 | Gordon Technologies |
| 96  | 6313.00 | 7.18 | 296.00 | 6297.81 | 292.62 | -97.44  | 141.95 | 172.17 | 124.47 | 94.00  | 0.19 | 134.90 | Gordon Technologies |
| 97  | 6407.00 | 7.26 | 295.86 | 6391.07 | 292.72 | -101.21 | 147.11 | 178.57 | 124.53 | 94.00  | 0.09 | 134.90 | Gordon Technologies |
| 98  | 6501.00 | 7.19 | 292.93 | 6484.32 | 292.77 | -104.68 | 152.00 | 184.56 | 124.56 | 94.00  | 0.40 | 134.90 | Gordon Technologies |
| 99  | 6595.00 | 6.14 | 289.00 | 6577.68 | 292.72 | -107.29 | 155.93 | 189.27 | 124.53 | 94.00  | 1.22 | 134.90 | Gordon Technologies |
| 100 | 6690.00 | 6.02 | 289.01 | 6672.15 | 292.63 | -109.33 | 159.20 | 193.13 | 124.48 | 95.00  | 0.13 | 142.00 | Gordon Technologies |
| 101 | 6784.00 | 6.11 | 289.96 | 6765.62 | 292.56 | -111.42 | 162.52 | 197.04 | 124.43 | 94.00  | 0.14 | 142.00 | Gordon Technologies |
| 102 | 6878.00 | 6.21 | 289.78 | 6859.08 | 292.50 | -113.62 | 165.94 | 201.11 | 124.40 | 94.00  | 0.11 | 142.00 | Gordon Technologies |
| 103 | 6972.00 | 6.32 | 288.41 | 6952.52 | 292.42 | -115.71 | 169.30 | 205.06 | 124.35 | 94.00  | 0.20 | 142.00 | Gordon Technologies |
| 104 | 7066.00 | 5.96 | 287.51 | 7045.98 | 292.32 | -117.57 | 172.40 | 208.67 | 124.29 | 94.00  | 0.40 | 142.00 | Gordon Technologies |
| 105 | 7160.00 | 6.06 | 289.14 | 7139.46 | 292.24 | -119.45 | 175.50 | 212.29 | 124.24 | 94.00  | 0.21 | 142.00 | Gordon Technologies |
| 106 | 7254.00 | 5.99 | 288.12 | 7232.94 | 292.16 | -121.39 | 178.65 | 215.99 | 124.20 | 94.00  | 0.14 | 142.00 | Gordon Technologies |
| 107 | 7348.00 | 5.69 | 286.89 | 7326.46 | 292.07 | -123.08 | 181.53 | 219.32 | 124.14 | 94.00  | 0.35 | 149.10 | Gordon Technologies |

|     |         |      |        |         |        |         |        |        |        |       |      |        |                     |
|-----|---------|------|--------|---------|--------|---------|--------|--------|--------|-------|------|--------|---------------------|
| 108 | 7383.00 | 4.89 | 293.84 | 7361.31 | 292.06 | -123.80 | 182.63 | 220.64 | 124.13 | 35.00 | 2.92 | 113.40 | Gordon Technologies |
| 109 | 7420.00 | 3.28 | 318.26 | 7398.21 | 292.12 | -124.94 | 184.06 | 222.46 | 124.17 | 37.00 | 6.31 | 113.40 | Gordon Technologies |
| 110 | 7445.00 | 3.29 | 347.28 | 7423.17 | 292.22 | -126.08 | 185.30 | 224.12 | 124.23 | 25.00 | 6.58 | 113.40 | Gordon Technologies |
| 111 | 7477.00 | 4.26 | 19.24  | 7455.11 | 292.45 | -128.11 | 187.31 | 226.93 | 124.37 | 32.00 | 7.12 | 113.40 | Gordon Technologies |
| 112 | 7508.00 | 5.59 | 32.80  | 7485.99 | 292.76 | -130.60 | 189.67 | 230.28 | 124.55 | 31.00 | 5.67 | 113.40 | Gordon Technologies |
| 113 | 7539.00 | 6.43 | 42.92  | 7516.82 | 293.12 | -133.37 | 192.21 | 233.95 | 124.76 | 31.00 | 4.35 | 113.40 | Gordon Technologies |
| 114 | 7571.00 | 7.12 | 44.97  | 7548.60 | 293.54 | -136.40 | 194.93 | 237.91 | 124.98 | 32.00 | 2.28 | 120.60 | Gordon Technologies |
| 115 | 7602.00 | 6.66 | 40.66  | 7579.38 | 293.95 | -139.42 | 197.65 | 241.87 | 125.20 | 31.00 | 2.23 | 120.60 | Gordon Technologies |
| 116 | 7633.00 | 6.63 | 37.98  | 7610.17 | 294.36 | -142.46 | 200.42 | 245.90 | 125.41 | 31.00 | 1.00 | 120.60 | Gordon Technologies |
| 117 | 7665.00 | 6.14 | 32.64  | 7641.97 | 294.77 | -145.60 | 203.32 | 250.08 | 125.61 | 32.00 | 2.40 | 120.60 | Gordon Technologies |
| 118 | 7696.00 | 5.35 | 26.40  | 7672.81 | 295.13 | -148.46 | 206.01 | 253.93 | 125.78 | 31.00 | 3.25 | 120.60 | Gordon Technologies |
| 119 | 7727.00 | 4.79 | 19.00  | 7703.69 | 295.46 | -151.10 | 208.53 | 257.52 | 125.93 | 31.00 | 2.77 | 120.60 | Gordon Technologies |
| 120 | 7759.00 | 4.21 | 12.80  | 7735.60 | 295.75 | -153.57 | 210.94 | 260.92 | 126.06 | 32.00 | 2.36 | 120.60 | Gordon Technologies |
| 121 | 7790.00 | 3.87 | 6.48   | 7766.52 | 295.99 | -155.75 | 213.09 | 263.94 | 126.16 | 31.00 | 1.81 | 120.60 | Gordon Technologies |
| 122 | 7822.00 | 3.52 | 357.72 | 7798.45 | 296.22 | -157.80 | 215.14 | 266.81 | 126.26 | 32.00 | 2.07 | 120.60 | Gordon Technologies |
| 123 | 7853.00 | 3.39 | 345.27 | 7829.40 | 296.40 | -159.59 | 216.98 | 269.35 | 126.33 | 31.00 | 2.45 | 120.60 | Gordon Technologies |
| 124 | 7884.00 | 3.32 | 334.13 | 7860.34 | 296.54 | -161.19 | 218.67 | 271.66 | 126.39 | 31.00 | 2.11 | 127.70 | Gordon Technologies |
| 125 | 7915.00 | 3.46 | 328.43 | 7891.29 | 296.66 | -162.67 | 220.28 | 273.83 | 126.44 | 31.00 | 1.18 | 127.70 | Gordon Technologies |
| 126 | 7947.00 | 3.72 | 325.65 | 7923.23 | 296.78 | -164.20 | 221.96 | 276.09 | 126.49 | 32.00 | 0.98 | 127.70 | Gordon Technologies |
| 127 | 7978.00 | 3.90 | 318.79 | 7954.16 | 296.88 | -165.65 | 223.58 | 278.26 | 126.53 | 31.00 | 1.58 | 127.70 | Gordon Technologies |
| 128 | 8010.00 | 3.87 | 306.85 | 7986.08 | 296.95 | -166.90 | 225.05 | 280.18 | 126.56 | 32.00 | 2.53 | 127.70 | Gordon Technologies |
| 129 | 8041.00 | 3.96 | 301.10 | 8017.01 | 296.98 | -167.85 | 226.23 | 281.69 | 126.57 | 31.00 | 1.30 | 127.70 | Gordon Technologies |
| 130 | 8072.00 | 4.01 | 298.54 | 8047.94 | 296.99 | -168.67 | 227.30 | 283.04 | 126.58 | 31.00 | 0.60 | 127.70 | Gordon Technologies |
| 131 | 8104.00 | 4.48 | 291.92 | 8079.85 | 296.98 | -169.39 | 228.30 | 284.28 | 126.57 | 32.00 | 2.12 | 127.70 | Gordon Technologies |
| 132 | 8198.00 | 5.06 | 281.11 | 8173.53 | 296.82 | -170.59 | 230.47 | 286.74 | 126.51 | 94.00 | 1.14 | 134.90 | Gordon Technologies |
| 133 | 8292.00 | 4.68 | 281.01 | 8267.19 | 296.58 | -171.11 | 232.00 | 288.28 | 126.41 | 94.00 | 0.40 | 134.90 | Gordon Technologies |
| 134 | 8386.00 | 4.11 | 272.84 | 8360.91 | 296.32 | -171.10 | 232.90 | 288.99 | 126.30 | 94.00 | 0.90 | 134.90 | Gordon Technologies |
| 135 | 8480.00 | 4.16 | 270.03 | 8454.67 | 296.01 | -170.40 | 233.07 | 288.72 | 126.17 | 94.00 | 0.22 | 134.90 | Gordon Technologies |
| 136 | 8574.00 | 4.25 | 270.18 | 8548.41 | 295.69 | -169.54 | 233.08 | 288.22 | 126.03 | 94.00 | 0.10 | 134.90 | Gordon Technologies |
| 137 | 8658.00 | 5.07 | 262.54 | 8632.14 | 295.34 | -168.21 | 232.61 | 287.05 | 125.87 | 84.00 | 1.22 | 134.90 | Gordon Technologies |
| 138 | 8668.00 | 5.07 | 262.89 | 8642.10 | 295.29 | -167.98 | 232.50 | 286.83 | 125.85 | 10.00 | 0.31 | 127.70 | Gordon Technologies |
| 139 | 8762.00 | 4.57 | 256.99 | 8735.76 | 294.81 | -165.65 | 231.14 | 284.37 | 125.63 | 94.00 | 0.75 | 127.70 | Gordon Technologies |
| 140 | 8856.00 | 5.69 | 264.80 | 8829.39 | 294.34 | -163.34 | 229.87 | 282.00 | 125.40 | 94.00 | 1.40 | 134.90 | Gordon Technologies |
| 141 | 8950.00 | 6.29 | 267.88 | 8922.87 | 293.87 | -161.49 | 229.26 | 280.43 | 125.16 | 94.00 | 0.72 | 134.90 | Gordon Technologies |
| 142 | 9045.00 | 6.13 | 267.94 | 9017.32 | 293.43 | -159.81 | 228.89 | 279.15 | 124.92 | 95.00 | 0.17 | 134.90 | Gordon Technologies |
| 143 | 9139.00 | 6.61 | 267.92 | 9110.74 | 292.99 | -158.11 | 228.51 | 277.88 | 124.68 | 94.00 | 0.51 | 134.90 | Gordon Technologies |
| 144 | 9233.00 | 6.15 | 270.32 | 9204.15 | 292.58 | -156.61 | 228.34 | 276.89 | 124.45 | 94.00 | 0.57 | 134.90 | Gordon Technologies |
| 145 | 9327.00 | 4.58 | 280.55 | 9297.74 | 292.32 | -156.21 | 229.06 | 277.25 | 124.29 | 94.00 | 1.95 | 142.00 | Gordon Technologies |
| 146 | 9421.00 | 3.85 | 285.66 | 9391.49 | 292.22 | -156.88 | 230.60 | 278.90 | 124.23 | 94.00 | 0.87 | 142.00 | Gordon Technologies |
| 147 | 9515.00 | 2.33 | 287.79 | 9485.35 | 292.17 | -157.69 | 232.03 | 280.54 | 124.20 | 94.00 | 1.62 | 149.10 | Gordon Technologies |
| 148 | 9590.00 | 1.84 | 291.54 | 9560.30 | 292.16 | -158.26 | 232.94 | 281.62 | 124.19 | 75.00 | 0.68 | 149.10 | Gordon Technologies |
| 149 | 9623.00 | 2.02 | 291.73 | 9593.28 | 292.16 | -158.54 | 233.35 | 282.11 | 124.19 | 33.00 | 0.55 | 134.90 | Gordon Technologies |
| 150 | 9717.00 | 7.22 | 207.38 | 9687.00 | 291.61 | -153.39 | 228.71 | 275.39 | 123.85 | 94.00 | 7.77 | 134.90 | Gordon Technologies |

|     |          |       |        |          |        |         |          |         |        |       |       |        |                     |
|-----|----------|-------|--------|----------|--------|---------|----------|---------|--------|-------|-------|--------|---------------------|
| 151 | 9764.00  | 13.36 | 196.04 | 9733.23  | 290.84 | -145.24 | 220.86   | 264.34  | 123.33 | 47.00 | 13.69 | 134.90 | Gordon Technologies |
| 152 | 9780.00  | 15.41 | 195.37 | 9748.73  | 290.47 | -141.31 | 217.03   | 258.98  | 123.07 | 16.00 | 12.85 | 134.90 | Gordon Technologies |
| 153 | 9811.00  | 18.47 | 195.18 | 9778.38  | 289.64 | -132.37 | 208.32   | 246.82  | 122.43 | 31.00 | 9.87  | 134.90 | Gordon Technologies |
| 154 | 9858.00  | 23.84 | 190.95 | 9822.20  | 288.08 | -115.50 | 191.80   | 223.89  | 121.06 | 47.00 | 11.87 | 134.90 | Gordon Technologies |
| 155 | 9905.00  | 29.43 | 194.35 | 9864.20  | 286.13 | -94.54  | 171.27   | 195.63  | 118.90 | 47.00 | 12.32 | 134.90 | Gordon Technologies |
| 156 | 9952.00  | 35.97 | 192.59 | 9903.73  | 283.77 | -69.31  | 146.58   | 162.14  | 115.31 | 47.00 | 14.06 | 134.90 | Gordon Technologies |
| 157 | 9999.00  | 41.62 | 191.23 | 9940.34  | 281.03 | -39.97  | 117.78   | 124.38  | 108.75 | 47.00 | 12.16 | 134.90 | Gordon Technologies |
| 158 | 10046.00 | 48.46 | 190.13 | 9973.54  | 277.94 | -6.79   | 85.11    | 85.38   | 94.56  | 47.00 | 14.65 | 134.90 | Gordon Technologies |
| 159 | 10094.00 | 54.10 | 187.62 | 10003.55 | 274.47 | 30.63   | 48.13    | 57.05   | 57.53  | 48.00 | 12.44 | 134.90 | Gordon Technologies |
| 160 | 10125.00 | 56.38 | 186.78 | 10021.22 | 272.11 | 56.09   | 22.86    | 60.57   | 22.18  | 31.00 | 7.68  | 134.90 | Gordon Technologies |
| 161 | 10156.00 | 59.69 | 184.88 | 10037.63 | 269.70 | 82.38   | -3.30    | 82.44   | 357.71 | 31.00 | 11.88 | 134.90 | Gordon Technologies |
| 162 | 10188.00 | 61.71 | 184.16 | 10053.29 | 267.15 | 110.25  | -31.11   | 114.55  | 344.24 | 32.00 | 6.61  | 134.90 | Gordon Technologies |
| 163 | 10219.00 | 64.16 | 182.45 | 10067.40 | 264.64 | 137.78  | -58.67   | 149.75  | 336.93 | 31.00 | 9.30  | 134.90 | Gordon Technologies |
| 164 | 10250.00 | 67.79 | 180.64 | 10080.02 | 262.09 | 165.95  | -86.97   | 187.35  | 332.34 | 31.00 | 12.87 | 134.90 | Gordon Technologies |
| 165 | 10282.00 | 70.28 | 180.12 | 10091.47 | 259.43 | 195.61  | -116.85  | 227.85  | 329.15 | 32.00 | 7.93  | 134.90 | Gordon Technologies |
| 166 | 10329.00 | 75.07 | 179.89 | 10105.46 | 255.53 | 240.10  | -161.70  | 289.47  | 326.04 | 47.00 | 10.20 | 134.90 | Gordon Technologies |
| 167 | 10376.00 | 80.88 | 179.12 | 10115.25 | 251.65 | 285.62  | -207.65  | 353.12  | 323.98 | 47.00 | 12.47 | 142.00 | Gordon Technologies |
| 168 | 10407.00 | 82.47 | 178.63 | 10119.74 | 249.14 | 315.96  | -238.31  | 395.76  | 322.97 | 31.00 | 5.36  | 142.00 | Gordon Technologies |
| 169 | 10422.00 | 83.20 | 178.39 | 10121.61 | 247.95 | 330.67  | -253.19  | 416.47  | 322.56 | 15.00 | 5.12  | 142.00 | Gordon Technologies |
| 170 | 10484.00 | 87.42 | 178.37 | 10126.67 | 243.19 | 391.70  | -314.95  | 502.61  | 321.20 | 62.00 | 6.81  | 142.00 | Gordon Technologies |
| 171 | 10578.00 | 88.38 | 177.76 | 10130.12 | 236.61 | 484.41  | -408.83  | 633.87  | 319.84 | 94.00 | 1.21  | 142.00 | Gordon Technologies |
| 172 | 10672.00 | 87.34 | 178.18 | 10133.63 | 230.82 | 577.10  | -502.70  | 765.35  | 318.94 | 94.00 | 1.19  | 142.00 | Gordon Technologies |
| 173 | 10766.00 | 88.09 | 178.58 | 10137.38 | 225.83 | 669.89  | -596.59  | 897.03  | 318.31 | 94.00 | 0.90  | 142.00 | Gordon Technologies |
| 174 | 10860.00 | 88.60 | 178.40 | 10140.09 | 221.54 | 762.74  | -690.52  | 1028.87 | 317.84 | 94.00 | 0.58  | 149.10 | Gordon Technologies |
| 175 | 10954.00 | 87.84 | 179.12 | 10143.01 | 217.85 | 855.65  | -784.45  | 1160.81 | 317.49 | 94.00 | 1.11  | 149.10 | Gordon Technologies |
| 176 | 11048.00 | 88.04 | 179.17 | 10146.39 | 214.70 | 948.63  | -878.38  | 1292.84 | 317.20 | 94.00 | 0.22  | 149.10 | Gordon Technologies |
| 177 | 11142.00 | 88.68 | 179.21 | 10149.08 | 211.97 | 1041.65 | -972.33  | 1424.94 | 316.97 | 94.00 | 0.68  | 149.10 | Gordon Technologies |
| 178 | 11237.00 | 89.94 | 179.55 | 10150.22 | 209.58 | 1135.73 | -1067.31 | 1558.54 | 316.78 | 95.00 | 1.37  | 149.10 | Gordon Technologies |
| 179 | 11331.00 | 88.88 | 179.52 | 10151.19 | 207.52 | 1228.86 | -1161.30 | 1690.78 | 316.62 | 94.00 | 1.13  | 149.10 | Gordon Technologies |
| 180 | 11425.00 | 88.52 | 179.87 | 10153.33 | 205.72 | 1322.01 | -1255.28 | 1823.03 | 316.48 | 94.00 | 0.53  | 149.10 | Gordon Technologies |
| 181 | 11519.00 | 88.96 | 180.09 | 10155.39 | 204.14 | 1415.22 | -1349.26 | 1955.33 | 316.37 | 94.00 | 0.52  | 149.10 | Gordon Technologies |
| 182 | 11613.00 | 89.27 | 180.02 | 10156.84 | 202.73 | 1508.46 | -1443.24 | 2087.68 | 316.27 | 94.00 | 0.34  | 156.30 | Gordon Technologies |
| 183 | 11708.00 | 89.75 | 179.62 | 10157.66 | 201.45 | 1602.64 | -1538.24 | 2221.40 | 316.17 | 95.00 | 0.66  | 156.30 | Gordon Technologies |
| 184 | 11802.00 | 88.49 | 179.67 | 10159.10 | 200.30 | 1695.79 | -1632.22 | 2353.69 | 316.09 | 94.00 | 1.34  | 156.30 | Gordon Technologies |
| 185 | 11895.00 | 88.82 | 179.79 | 10161.28 | 199.28 | 1787.95 | -1725.20 | 2484.57 | 316.02 | 93.00 | 0.38  | 156.30 | Gordon Technologies |
| 186 | 11989.00 | 88.60 | 180.73 | 10163.40 | 198.36 | 1881.21 | -1819.17 | 2616.94 | 315.96 | 94.00 | 1.03  | 156.30 | Gordon Technologies |
| 187 | 12084.00 | 88.24 | 181.66 | 10166.02 | 197.56 | 1975.64 | -1914.11 | 2750.81 | 315.91 | 95.00 | 1.05  | 156.30 | Gordon Technologies |
| 188 | 12178.00 | 88.82 | 180.99 | 10168.43 | 196.84 | 2069.09 | -2008.06 | 2883.30 | 315.86 | 94.00 | 0.94  | 156.30 | Gordon Technologies |
| 189 | 12271.00 | 87.76 | 181.67 | 10171.21 | 196.19 | 2161.54 | -2100.99 | 3014.37 | 315.81 | 93.00 | 1.35  | 156.30 | Gordon Technologies |
| 190 | 12366.00 | 88.23 | 181.42 | 10174.53 | 195.59 | 2256.00 | -2195.90 | 3148.26 | 315.77 | 95.00 | 0.56  | 163.40 | Gordon Technologies |
| 191 | 12460.00 | 88.57 | 181.22 | 10177.15 | 195.03 | 2349.45 | -2289.83 | 3280.74 | 315.74 | 94.00 | 0.42  | 163.40 | Gordon Technologies |
| 192 | 12553.00 | 88.94 | 180.56 | 10179.17 | 194.50 | 2441.85 | -2382.80 | 3411.80 | 315.70 | 93.00 | 0.81  | 156.30 | Gordon Technologies |
| 193 | 12647.00 | 89.80 | 180.57 | 10180.21 | 193.99 | 2535.19 | -2476.79 | 3544.25 | 315.67 | 94.00 | 0.91  | 156.30 | Gordon Technologies |

|     |          |       |        |          |        |         |          |         |        |       |      |        |                     |
|-----|----------|-------|--------|----------|--------|---------|----------|---------|--------|-------|------|--------|---------------------|
| 194 | 12741.00 | 89.36 | 181.43 | 10180.90 | 193.54 | 2628.62 | -2570.77 | 3676.75 | 315.64 | 94.00 | 1.03 | 163.40 | Gordon Technologies |
| 195 | 12835.00 | 89.44 | 181.07 | 10181.88 | 193.12 | 2722.09 | -2664.74 | 3809.28 | 315.61 | 94.00 | 0.39 | 156.30 | Gordon Technologies |
| 196 | 12929.00 | 89.86 | 180.68 | 10182.46 | 192.71 | 2815.49 | -2758.73 | 3941.78 | 315.58 | 94.00 | 0.61 | 163.40 | Gordon Technologies |
| 197 | 13023.00 | 88.01 | 180.51 | 10184.20 | 192.33 | 2908.83 | -2852.70 | 4074.21 | 315.56 | 94.00 | 1.98 | 163.40 | Gordon Technologies |
| 198 | 13117.00 | 88.46 | 179.87 | 10187.10 | 191.95 | 3002.06 | -2946.66 | 4206.56 | 315.53 | 94.00 | 0.83 | 163.40 | Gordon Technologies |
| 199 | 13211.00 | 89.16 | 179.46 | 10189.05 | 191.58 | 3095.20 | -3040.64 | 4338.86 | 315.51 | 94.00 | 0.86 | 163.40 | Gordon Technologies |
| 200 | 13305.00 | 88.99 | 180.20 | 10190.57 | 191.24 | 3188.39 | -3134.62 | 4471.21 | 315.49 | 94.00 | 0.81 | 163.40 | Gordon Technologies |
| 201 | 13399.00 | 89.36 | 180.28 | 10191.92 | 190.93 | 3281.67 | -3228.61 | 4603.61 | 315.47 | 94.00 | 0.40 | 170.60 | Gordon Technologies |
| 202 | 13493.00 | 89.72 | 179.67 | 10192.68 | 190.62 | 3374.89 | -3322.61 | 4735.99 | 315.45 | 94.00 | 0.75 | 170.60 | Gordon Technologies |
| 203 | 13588.00 | 89.75 | 179.48 | 10193.12 | 190.32 | 3469.03 | -3417.60 | 4869.72 | 315.43 | 95.00 | 0.20 | 170.60 | Gordon Technologies |
| 204 | 13682.00 | 90.73 | 178.95 | 10192.72 | 190.03 | 3562.09 | -3511.59 | 5001.98 | 315.41 | 94.00 | 1.19 | 170.60 | Gordon Technologies |
| 205 | 13776.00 | 89.80 | 179.35 | 10192.29 | 189.75 | 3655.13 | -3605.58 | 5134.22 | 315.39 | 94.00 | 1.08 | 170.60 | Gordon Technologies |
| 206 | 13870.00 | 90.34 | 179.08 | 10192.17 | 189.49 | 3748.20 | -3699.57 | 5266.48 | 315.37 | 94.00 | 0.64 | 170.60 | Gordon Technologies |
| 207 | 13964.00 | 89.44 | 179.42 | 10192.35 | 189.24 | 3841.27 | -3793.56 | 5398.75 | 315.36 | 94.00 | 1.02 | 170.60 | Gordon Technologies |
| 208 | 14058.00 | 88.80 | 180.08 | 10193.80 | 189.02 | 3934.44 | -3887.55 | 5531.08 | 315.34 | 94.00 | 0.98 | 170.60 | Gordon Technologies |
| 209 | 14152.00 | 89.86 | 180.78 | 10194.90 | 188.82 | 4027.75 | -3981.54 | 5663.52 | 315.33 | 94.00 | 1.35 | 170.60 | Gordon Technologies |
| 210 | 14246.00 | 89.47 | 181.77 | 10195.45 | 188.65 | 4121.23 | -4075.51 | 5796.06 | 315.32 | 94.00 | 1.13 | 170.60 | Gordon Technologies |
| 211 | 14340.00 | 87.98 | 181.77 | 10197.54 | 188.49 | 4214.76 | -4169.44 | 5928.62 | 315.31 | 94.00 | 1.59 | 163.40 | Gordon Technologies |
| 212 | 14434.00 | 89.58 | 182.24 | 10199.54 | 188.35 | 4308.34 | -4263.36 | 6061.19 | 315.30 | 94.00 | 1.77 | 163.40 | Gordon Technologies |
| 213 | 14527.00 | 88.57 | 181.77 | 10201.04 | 188.22 | 4400.93 | -4356.29 | 6192.37 | 315.29 | 93.00 | 1.20 | 163.40 | Gordon Technologies |
| 214 | 14622.00 | 88.32 | 181.90 | 10203.62 | 188.08 | 4495.46 | -4451.20 | 6326.32 | 315.28 | 95.00 | 0.30 | 163.40 | Gordon Technologies |
| 215 | 14716.00 | 87.37 | 181.39 | 10207.15 | 187.95 | 4588.93 | -4545.10 | 6458.81 | 315.27 | 94.00 | 1.15 | 163.40 | Gordon Technologies |
| 216 | 14810.00 | 87.45 | 180.72 | 10211.40 | 187.81 | 4682.27 | -4638.99 | 6591.20 | 315.27 | 94.00 | 0.72 | 163.40 | Gordon Technologies |
| 217 | 14903.00 | 88.21 | 179.94 | 10214.92 | 187.67 | 4774.52 | -4731.92 | 6722.13 | 315.26 | 93.00 | 1.17 | 170.60 | Gordon Technologies |
| 218 | 14997.00 | 88.38 | 179.45 | 10217.72 | 187.51 | 4867.65 | -4825.87 | 6854.42 | 315.25 | 94.00 | 0.55 | 170.60 | Gordon Technologies |
| 219 | 15054.00 | 88.71 | 178.99 | 10219.17 | 187.42 | 4924.06 | -4882.85 | 6934.59 | 315.24 | 57.00 | 0.99 | 170.60 | Gordon Technologies |
| 220 | 15112.00 | 88.71 | 178.99 | 10220.47 | 187.32 | 4981.44 | -4940.83 | 7016.16 | 315.23 | 58.00 | 0.00 | 170.60 | Gordon Technologies |