

URVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

PAGE 1 OF 4

O-445

| | | | | | | |
|-----------------|----------------------------------|-----------------------|------------------------|-----------------------------|---------------|-----------|
| DATE 9.23.83 | INSTRUMENT MAN B. Cotcamp | ROD MAN D. Wrinkle | PARTY NUMBER 6834 | NOTES CHECKED BY DW | LINE NO. 6 | PAGE 1 |
| AREA NEVADA | TOPO MAP Wahki Nat Springs-15 | STATE NEV. | COUNTY Essex LANDOR | TWP | RANGE | PPM |
| | | | | PARTY MANAGER L.O. Davis | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | | |
|-------------|-------------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|-----------|---|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| K1 | U.S.G.S. TRI-STA. | | JRM-85 1954 ELEV. 5642.7 | | | 8-1.898 | 180.5 | -207.4765 | | 5642.7 | K1 | | | 1,898,180.5 | 207,476.5 | U.S.G.S. TRI-STA. JRM 1954 ELEV. 5642.7 |
| BS | 3723 | | 85° 47' 48" | +16.9 | 12.1 | 89° 30' | -32.5 | -20.4 | 5622.3 | | BS | +818 | -3632 | | | |
| BS | 3723 | | | +12.2 | 270° 30' | | -32.5 | -20.3 | | | BS | -1 | -2 | | | |
| X | 0 | | | | 5.2 | | | -5.2 | | 5617.1 | X | 0 | 0 | 1,898,998 | 203,843 | |
| TP | 4162 | | 263° 49' 07" | " " | 5.4 | | | -5.4 | | 5616.9 | TP | +774 | -4089 | 1,899,771 | 199,752 | |
| TP | 4162 | | | | 5.3 | 270° | | -5.3 | | | TP | -1 | -2 | | | |
| | 4731 | | 76° 34' 54" | " " | +6.7 | | | +6.7 | 5623.4 | | BS | +287 | -4722 | | | |
| | 4731 | | | | +6.4 | 270° | | +6.4 | 56.5 | | BS | -1 | -2 | | | |
| X | 0 | | | | 5.2 | | | -5.2 | | 5618.2 | X | 0 | 0 | 1,900,057 | 195,028 | |
| Bm | 2976 | | 261° 07' 29" | " " | 7.7 | 88° 50' | +60.6 | +52.9 | | 5676.3 | Bm | +415 | -2946 | 1,900,471 | 192,080 | U.S.G.S. Bm 84 JRM 1954 |
| Bm | 2976 | | | | 7.7 | 271° 10' | +60.6 | +52.9 | | | Bm | -1 | -2 | | | ELEV. 5676.0 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|----------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-------------------------|-----------------------|---------------|--------------------------------|
| 9-16-83 | | B. Cotcamp | | D. Winkle | | 6834 | | DJ | | 6 | | 2 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Walth Hot Spring -15 | | NEVADA | | LANDER | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| K | U.S.G.S. | Bench Mark | Elevation | -5676 | | | | | | 5676.3 | R1 | | | | U.S.G.S. Bm Elev. 5676 1954 |
| | 4056 | | 189° 07' 04" | +16.9 | 9.8 | - | | +9.8 | | | BS | +3645 | +1779 | | |
| | 4056 | | | +9.7 | | 270° | | +9.7 | 5686.0 | | BS | -1 | -2 | | |
| X | 0 | | | " | 5.2 | - | | -5.2 | | 5680.8 | X | 0 | 0 | 1904.115 | 193.857 |
| TP | 4286 | | 14° 01' 30" | " | 9.3 | 89° 10' | +62.3 | +53.0 | | | TP | +3676 | +2202 | 1907.790 | 196.057 |
| TP | 4286 | | | | 9.4 | 270° 50' | +62.3 | +52.9 | | 5738.9 | TP | -1 | -2 | | |
| | 635 | | 207° 24' 44" | +16.9 | 6.4 | 89° 30' | -5.5 | +0.9 | | | BS | +454 | +444 | | |
| | 635 | | | +4.6 | | 89° 40' | -3.7 | +0.9 | 5739.8 | | BS | -1 | -2 | | |
| 1 | 1313 | | 223° 39' | " | 7.9 | 88° | +45.8 | +37.9 | | 5777.7 | | -646 | -1143 | 1907.597 | 195.356 |
| 2 | 1094 | | " " | " | 9.1 | 88° | +38.2 | +29.1 | | 5768.9 | | -538 | -953 | 1907.705 | 195.546 |
| 3 | 875 | | " " | " | 9.3 | 88° 10' | +28.0 | +18.7 | | 5758.5 | | -430 | -762 | 1907.813 | 195.737 |
| 4 | 655 | | " " | " | 5.6 | 89° 10' | +9.5 | +3.9 | | 5743.7 | | -322 | -570 | 1907.921 | 195.929 |
| 5 | 435 | | " " | " | 10.0 | 89° 10' | +6.3 | -3.7 | | 5736.1 | | -214 | -379 | 1908.029 | 196.120 |
| 6 | 218 | | 219° 36' | +16.9 | 8.7 | 90° 30' | -1.9 | -10.6 | | 5729.2 | | -120 | -182 | 1908.123 | 196.317 |
| 7 | 0 | | | | 5.2 | - | | -5.2 | | 5734.6 | X | 0 | 0 | 1908.243 | 196.499 |
| 8 | 220 | | 43° 32' | " | 5.0 | 91° 30' | -5.8 | -10.8 | | 5729.0 | | +109 | +191 | 1908.352 | 196.690 |
| 9 | 440 | | " " | " | 5.8 | 91° 20' | -10.2 | -16.0 | | 5723.8 | | +217 | +383 | 1908.460 | 196.882 |
| 10 | 660 | | " " | " | 8.2 | 91° 20' | -15.4 | -23.6 | | 5716.2 | | +326 | +574 | 1908.569 | 197.073 |
| 11 | 880 | | " " | " | 9.1 | 91° 20' | -20.5 | -29.6 | | 5710.2 | | +434 | +765 | 1908.677 | 197.264 |
| | 1100 | | " " | " | 8.5 | 91° 20' | -25.6 | -34.1 | | 5705.7 | | +543 | +957 | 1908.786 | 197.456 |
| | 1320 | | " " | " | 7.9 | 91° 20' | -30.7 | -38.6 | | 5701.2 | | +651 | +1148 | 1908.894 | 197.647 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|---------|--|
| 9.16.83 | | B. Cotcamp | | D. Wainkle | | 6834 | | DW | | 6 | 3 | | | | | | |
| AREA | | TOPO MAP | STATE | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | | | |
| NEVADA | | Walthi Hot Springs-15 | NEV. | LANDER | | | | | L.O. Davis | | | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | |
| | | | | | | | | | 5739.8 | | | | | | | | |
| 14 | 1538 | | 43° 29' 55" | +16.9° | 5.8 | 91° 20' | -35.8 | -41.6 | | 5698.2 | TP | +760 | +1337 | 1909,002 | 197,834 | | |
| 14 | 1538 | | | | 10.2 | 91° 10' | -31.3 | -41.5 | | | TP | -1 | -2 | | | | |
| | 2192 | | 223° 35' 12" | " - + | 11.8 | 88° 40' | -51.0 | -39.2 | | | BS | +1080 | +1907 | | | | |
| | 2192 | | | + | 5.4 | 88° 50' | -44.6 | -39.2 | 5659.0 | | BS | -1 | -2 | | | | |
| 15 | 1972 | | 223° 35' | +16.9° | 12.4 | 88° 40' | +45.9 | +33.5 | | 5692.5 | | -972 | -1716 | 1909,109 | 198,023 | | |
| 16 | 1752 | | " " | " " | 11.7 | 88° 40' | +40.8 | +29.1 | | 5688.1 | | -863 | -1525 | 1909,218 | 198,214 | | |
| 17 | 1532 | | 223° 30' | " " | 10.5 | 88° 40' | +35.6 | +25.1 | | 5684.1 | | -257 | -1332 | 1909,324 | 198,407 | | |
| 18 | 1313 | | 223° 36' | " " | 11.4 | 88° 40' | +30.5 | +19.1 | | 5678.1 | | -647 | -1143 | 1909,434 | 198,596 | | |
| 19 | 1093 | | " " | " " | 10.6 | 88° 50' | +22.3 | +11.7 | | 5670.7 | | -538 | -951 | 1909,543 | 198,788 | | |
| 20 | 873 | | " " | " " | 10.3 | 89° - | +15.2 | +4.9 | | 5663.9 | | -430 | -760 | 1909,651 | 198,979 | | |
| 21 | 653 | | 222° 02' | +16.9° | 8.5 | 89° - | +11.4 | +2.9 | | 5661.9 | | -337 | -559 | 1909,744 | 199,180 | | |
| 22 | 437 | | 222° 43' | " " | 7.5 | 89° - | +7.6 | +0.1 | | 5659.1 | | -221 | -377 | 1909,860 | 199,362 | | |
| 23 | 220 | | 218° 57' | " " | 6.8 | 89° - | +3.8 | -3.0 | | 5656.0 | | -124 | -182 | 1909,957 | 199,557 | | |
| 24 | 0 | | | | 5.2 | - | - | -5.2 | | 5653.8 | X | 0 | 0 | 1910,081 | 199,739 | | |
| 25 | 220 | | 44° 47' | +16.9° | 6.4 | - | - | -6.4 | | 5652.6 | | +104 | +194 | 1910,185 | 199,933 | | |
| 26 | 440 | | 43° 41' | " " | 8.8 | - | - | -8.8 | | 5650.2 | | +216 | +383 | 1910,297 | 200,122 | | |
| 27 | 660 | | 43° 35' | " " | 7.9 | - | - | -7.9 | | 5651.1 | | +325 | +574 | 1910,406 | 200,313 | | |
| 28 | 880 | | 43° 28' | " " | 7.1 | - | - | -7.1 | | 5651.9 | | +435 | +765 | 1910,516 | 200,504 | | |
| 29 | 1100 | | 43° 36' | " " | 6.5 | - | - | -6.5 | | 5652.5 | | +542 | +957 | 1910,623 | 200,696 | | |
| 30 | 1319 | | 44° 08' | " " | 6.9 | - | - | -6.9 | | 5652.1 | | +639 | +1154 | 1910,720 | 200,893 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 9.16.83 | | B. Cottramp | | D. Weinkle | | 6834 | | DW | | 6 | | 4 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Wright Hot Springs-15 | | NEV. | | LANDER | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5659.0 | | | | | | |
| 31 | 1539 | | 44° 06' | +16.9° | 7.2 | - | | -7.2 | | 5651.8 | | +746 | +1346 | 1,910,827 | 201,085 |
| 32 | 1758 | | 43° 51' | ~ | 8.3 | - | | -8.3 | | 5650.7 | | +859 | +1534 | 1,910,940 | 201,273 |
| 33 | 1977 | | 44° 02' | ~ | 9.4 | - | | -9.4 | | 5649.6 | | +960 | +1728 | 1,911,041 | 201,467 |
| 34 | 2197 | | 43° 45' 43" | ~ | 10.3 | - | | -10.3 | | 5648.7 | TP | +1076 | +1915 | 1,911,156 | 201,652 |
| 34 | 2197 | | | | 10.2 | 270° | | -10.2 | | | TP | -1 | -2 | | |
| | 2197 | | 223° 42' 06" | +16.9° | 11.2 | 89° 20' | -25.6 | -14.4 | 5634.3 | | BS | +1078 | +1914 | | |
| | 2197 | | | | 11.3 | 270° 40' | -25.6 | -14.3 | | | BS | -1 | -2 | | |
| 35 | 1977 | | 223° 43' | ~ | 10.0 | 89° 20' | +23.0 | +13.0 | | 5647.3 | | -970 | -1723 | 1,911,263 | 201,841 |
| 36 | 1757 | | " " | ~ | 8.0 | 89° 20' | +20.4 | +12.4 | | 5646.7 | | -862 | -1531 | 1,911,371 | 202,033 |
| 37 | 1537 | | " " | ~ | 7.5 | 89° 20' | +17.9 | +10.4 | | 5644.7 | | -754 | -1339 | 1,911,479 | 202,225 |
| 38 | 1319 | | 223° 48' | +16.9° | 8.2 | 89° 20' | +15.3 | +7.1 | | 5641.4 | | -646 | -1150 | 1,911,587 | 202,414 |
| 39 | 1100 | | " " | ~ | 8.0 | 89° 20' | +12.8 | +4.8 | | 5639.1 | | -538 | -959 | 1,911,695 | 202,605 |
| 40 | 880 | | " " | ~ | 7.0 | 89° 20' | +10.2 | +3.2 | | 5637.5 | | -431 | -767 | 1,911,802 | 202,797 |
| 41 | 660 | | " " | ~ | 5.8 | 89° 20' | +7.7 | +1.9 | | 5636.2 | | -323 | -576 | 1,911,910 | 202,988 |
| 42 | 440 | | " " | ~ | 4.7 | 89° 20' | +5.1 | +0.4 | | 5634.7 | | -215 | -384 | 1,912,018 | 203,180 |
| 43 | 220 | | " " | ~ | 5.0 | 89° 20' | +2.6 | -2.4 | | 5631.9 | | -108 | -192 | 1,912,125 | 203,372 |
| 44 | 0 | | | | 5.2 | - | | -5.2 | | 5629.1 | X | 0 | 0 | 1,912,233 | 203,564 |
| 45 | 220 | | 43° 18' | +16.9° | 8.2 | 90° 10' | -0.6 | -8.8 | | 5625.5 | | +109 | +191 | 1,912,342 | 203,755 |
| 46 | 440 | | 43° 20' | ~ | 9.7 | 90° 10' | -1.3 | -11.0 | | 5623.3 | | +218 | +382 | 1,912,451 | 203,946 |
| 47 | 660 | | 43° 59' | ~ | 11.3 | 90° 10' | -1.9 | -13.2 | | 5621.1 | | +321 | +577 | 1,912,554 | 204,141 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | | |
|-------------|----------------|----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|-----------------------|--|
| 9.19.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW RD | | 6 | 5 | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | |
| NEVADA | | Walth Hot Springs-15 | | NEV. | | LANDOR | | | | | L.D. Davis | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTting DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | |
| | | | | | | | | | 5634.3 | | | | | | | | |
| 48 | 880 | | 44° 36' | +16.9 | 10.7 | 90° 20' | -5.1 | -15.8 | | 5618.5 | | +420 | +773 | 1,912,653 | 204,337 | | |
| 49 | 1100 | | 44° 16' | " | 9.2 | 90° 20' | -6.4 | -15.6 | | 5618.7 | | +530 | +964 | 1,912,763 | 204,528 | | |
| 50 | 1320 | | 44° 07' | " | 8.0 | 90° 20' | -7.7 | -15.7 | | 5618.6 | | +640 | +1155 | 1,912,873 | 204,719 | | |
| 51 | 1538 | | 43° 36' | " | 6.9 | 90° 20' | -9.0 | -15.9 | | 5618.4 | | +757 | +1339 | 1,912,990 | 204,903 | ↑ | |
| 52 | 1757 | | 43° 08' | " | 5.8 | 90° 20' | -10.2 | -16.0 | | 5618.3 | | +878 | +1522 | 1,913,111 | 205,086 | Walth Hot Spring -15' | |
| 53 | 1975 | | 43° 19' | " | 10.1 | 90° 10' | -5.7 | -15.8 | | 5618.5 | | +981 | +1714 | 1,913,214 | 205,278 | Cortez -15' | |
| 54 | 2195 | | 42° 58' 02" | +16.9 | 9.6 | 90° 10' | -6.4 | -16.0 | | 5618.3 | TP | +1102 | +1898 | 1,913,334 | 205,460 | ↓ | |
| 54 | 2195 | | | | 9.5 | 269° 50' | -6.4 | -15.9 | | | TP | -1 | -2 | | | | |
| | 2188 | | 224° 53' 40" | " | 7.2 | - | | +7.2 | | | BS | +1034 | +1928 | | | | |
| | 2188 | | | | 7.1 | 270° - | | +7.1 | 5625.4 | | BS | -1 | -1 | | | | |
| 55 | 1972 | | 226° 00' | " | 7.2 | - | | -7.2 | | 5618.2 | | -898 | -1256 | 1,913,469 | 205,631 | | |
| 56 | 1752 | | 225° 50' | " | 7.2 | - | | -7.2 | | 5618.2 | | -803 | -1557 | 1,913,564 | 205,830 | | |
| 57 | 1533 | | 225° 18' | " | 7.0 | - | | -7.0 | | 5618.4 | | -715 | -1356 | 1,913,652 | 206,031 | | |
| 58 | 1314 | | 224° 39' | +16.9 | 7.0 | - | | -7.0 | | 5618.4 | | -626 | -1155 | 1,913,741 | 206,232 | | |
| 59 | 1094 | | 225° 02' | " | 6.9 | - | | -6.9 | | 5618.5 | | -515 | -965 | 1,913,852 | 206,422 | | |
| 60 | 874 | | 224° 27' | " | 6.9 | - | | -6.9 | | 5618.5 | | -419 | -767 | 1,913,948 | 206,620 | | |
| 61 | 655 | | 222° 42' | " | 6.9 | - | | -6.9 | | 5618.5 | | -331 | -565 | 1,914,036 | 206,822 | | |
| 62 | 436 | | 223° 37' | " | 6.9 | - | | -6.9 | | 5618.5 | | -215 | -380 | 1,914,152 | 207,007 | | |
| 63 | 217 | | " | " | 6.6 | - | | -6.6 | | 5618.8 | | -107 | -189 | 1,914,260 | 207,198 | | |
| 64 | 0 | | | | 5.2 | - | | -5.2 | | 5620.2 | TP | 0 | 0 | 1,914,367 | 207,387 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

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| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|----------|---------|
| 9-19-83 | | B. Cotcamp | | D. Weinkle | | 6834 | | DW | | 6 | 6 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | |
| NEV. | | Cortez - 15' | | NEV. | | LANOER | | | | | L.O. Davis | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5625.4 | | | | | | |
| 65 | 223 | | 44° 43' | +16.9° | 7.9 | - | | -7.9 | | 5617.5 | | +106 | +196 | 1914.473 | 209.583 |
| 66 | 443 | | 43° 17' | ~ | 8.0 | - | | -8.0 | | 5617.4 | | +220 | +384 | 1914.587 | 209.771 |
| 67 | 663 | | 43° 35' | ~ | 8.1 | - | | -8.1 | | 5617.3 | | +327 | +577 | 1914.694 | 209.964 |
| 68 | 883 | | " " | ~ | 8.1 | - | | -8.1 | | 5617.3 | | +435 | +768 | 1914.802 | 208.155 |
| 69 | 1103 | | " " | +16.9° | 8.2 | - | | -8.2 | | 5617.2 | | +543 | +960 | 1914.910 | 208.347 |
| 70 | 1323 | | " " | ~ | 8.2 | - | | -8.2 | | 5617.2 | | +652 | +151 | 1915.019 | 208.538 |
| 71 | 1543 | | " " | ~ | 8.3 | - | | -8.3 | | 5617.1 | | +760 | +1343 | 1915.127 | 208.730 |
| 72 | 1763 | | " " | ~ | 8.3 | - | | -8.3 | | 5617.1 | | +869 | +1534 | 1915.236 | 208.921 |
| 73 | 1983 | | 43° 35' | ~ | 8.3 | - | | -8.3 | | 5617.1 | | +984 | +1722 | 1915.351 | 209.109 |
| 74 | 2203 | | " " | | 8.3 | - | | -8.3 | | 5617.1 | | +1085 | +1917 | 1915.452 | 209.304 |
| 75 | 2423 | | " " | | 8.4 | - | | -8.4 | | 5617.0 | | +1194 | +2109 | 1915.561 | 209.496 |
| 76 | 2643 | | 43° 41' 37" | +16.9° | 8.3 | - | | -8.3 | | 5616.9 | TP | +1298 | +2302 | 1915.664 | 209.688 |
| 76 | 2643 | | " " | | 8.6 | 270° | | -8.6 | | | TP | - | - | | |
| | 2201 | | 223° 55' 02" | ~ | 5.6 | - | | +5.6 | 5622.5 | | BS | +1073 | +1922 | | |
| | 2201 | | " " | | 5.7 | 270° | | +5.7 | | | BS | - | - | | |
| 77 | 1980 | | 223° 52' | ~ | 11.1 | 89° 50' | +5.8 | -5.3 | | 5617.2 | | -967 | -1728 | 1915.769 | 209.881 |
| 78 | 1760 | | " " | ~ | 10.5 | 89° 50' | +5.1 | -5.4 | | 5617.1 | | -860 | -1536 | 1915.876 | 210.073 |
| 79 | 1540 | | " " | ~ | 9.9 | 89° 50' | +4.5 | -5.4 | | 5617.1 | | -752 | -1344 | 1915.984 | 210.265 |
| 80 | 1320 | | " " | ~ | 9.1 | 89° 50' | +3.8 | -5.3 | | 5617.2 | | -645 | -1152 | 1916.091 | 210.457 |
| 81 | 1100 | | " " | ~ | 8.5 | 89° 50' | +3.2 | -5.3 | | 5617.2 | | -537 | -960 | 1916.199 | 210.649 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|---------|--|
| 9-19-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 7 | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | |
| NEV. | | Cortez - 15' | | NEV. | | LANDER | | | | | L.O. DAVIS | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | |
| | | | | | | | | | 5622.5 | | | | | | | | |
| 82 | 880 | | 223 52 | +16.9 | 7.8 | 89° 50' | +2.6 | -5.2 | | 5617.3 | | -430 | -768 | 1916,306 | 210,841 | | |
| 83 | 660 | | " " | " " | 7.1 | 89° 50' | +1.9 | -5.2 | | 5617.3 | | -332 | -576 | 1916,404 | 211,033 | | |
| 84 | 440 | | " " | " " | 6.6 | 89° 50' | +1.3 | -5.3 | | 5617.2 | | -215 | -384 | 1916,521 | 211,225 | | |
| 85 | 220 | | " " | " " | 5.8 | 89° 50' | +0.6 | -5.2 | | 5617.3 | | -107 | -192 | 1916,629 | 211,417 | | |
| 86 | 0 | | | | 5.2 | - | - | -5.2 | | 5617.3 | TP | 0 | 0 | 1916,736 | 211,609 | | |
| 87 | 220 | | 43° 46' | +16.9 | 5.7 | 89° 50' | +0.6 | -5.1 | | 5617.4 | | +108 | +192 | 1916,844 | 211,801 | | |
| 88 | 440 | | " " | " " | 6.3 | 89° 50' | +1.3 | -5.0 | | 5617.5 | | +216 | +384 | 1916,952 | 211,993 | | |
| 89 | 660 | | " " | " " | 6.9 | 89° 50' | +1.9 | -5.0 | | 5617.5 | | +323 | +575 | 1917,059 | 212,184 | | |
| 90 | 880 | | " " | " " | 7.6 | 89° 50' | +2.6 | -5.0 | | 5617.5 | | +431 | +767 | 1917,167 | 212,376 | | |
| 91 | 1100 | | 43° 46' | +16.9 | 8.1 | 89° 50' | +3.2 | -4.9 | | 5617.6 | | +539 | +959 | 1917,215 | 212,568 | | |
| 92 | 1320 | | " " | " " | 8.8 | 89° 50' | +3.8 | -5.0 | | 5617.5 | | +647 | +1151 | 1917,383 | 212,766 | | |
| 93 | 1540 | | " " | " " | 9.2 | 89° 50' | +4.5 | -4.7 | | 5617.8 | | +754 | +1343 | 1917,490 | 212,952 | | |
| 94 | 1760 | | " " | " " | 9.9 | 89° 50' | +5.1 | -4.8 | | 5617.7 | | +862 | +1534 | 1917,598 | 213,143 | | |
| 95 | 1980 | | " " | " " | 10.2 | 89° 50' | +5.8 | -4.4 | | 5618.1 | TP | +968 | +1722 | 1917,704 | 213,331 | | |
| 96 | 2202 | | 43° 45' 12" | " " | 10.8 | 89° 50' | +6.4 | -4.4 | -4.5 | 5618.0 | TP | +1079 | +1919 | 1917,814 | 213,527 | | |
| 96 | 2202 | | | | 11.1 | 270° 10' | +6.4 | -4.7 | | | TP | - | - | | | | |
| | 2860 | | 223° 42' 10" | +16.9 | 14.1 | 89° 50' | -8.3 | +5.8 | 5623.8 | | BS | +1404 | +2492 | | | | |
| | 2860 | | | | 14.2 | 270° 10' | +8.3 | +5.9 | | | BS | - | - | | | | |
| 97 | 2640 | | 223° 40' | " " | 10.2 | 89° 54' | +4.6 | -5.6 | | 5618.2 | | -1297 | -2299 | 1917,920 | 213,719 | | |
| 98 | 2420 | | " " | " " | 9.7 | 89° 54' | +4.2 | -5.5 | | 5618.3 | | -1189 | -2108 | 1918,028 | 213,910 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|-------------------------|-----------------------|---------------|---------|
| 9-20-83 | | B. C. Camp | | D. Wrinkle | | 6834 | | DW | | 6 | | 8 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Cortez - 15' | | NEV. | | LANDER | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5623.8 | | | | | | |
| 99 | 2200 | | 223° 40' | +16.9 | 8.8 | 89° 54' | +3.9 | -4.9 | | 5618.9 | | -1081 | -1916 | 1918,136 | 214,102 |
| 100 | 1980 | | 223° 46' | " | 7.5 | 89° 54' | +3.5 | -4.0 | | 5619.8 | | -970 | -1726 | 1918,247 | 214,292 |
| 101 | 1760 | | " " | " | 7.2 | 89° 50' | +5.1 | -2.1 | | 5621.7 | | -862 | -1534 | 1918,335 | 214,484 |
| 102 | 1540 | | " " | " | 8.9 | 89° 40' | +9.0 | +0.1 | | 5623.9 | | -754 | -1343 | 1918,463 | 214,675 |
| 103 | 1320 | | 223° 46' | +16.9 | 8.2 | 89° 40' | +7.7 | -0.5 | | 5623.3 | | -647 | -1151 | 1918,570 | 214,867 |
| 104 | 1100 | | " " | " | 11.2 | 89° 40' | +6.4 | -4.8 | | 5619.0 | | -539 | -959 | 1918,678 | 215,059 |
| 105 | 880 | | " " | " | 10.4 | 89° 40' | +5.1 | -5.3 | | 5618.5 | | -431 | -767 | 1918,786 | 215,251 |
| 106 | 660 | | " " | " | 9.0 | 89° 40' | +3.8 | -5.2 | | 5618.6 | | -323 | -525 | 1918,894 | 215,443 |
| 107 | 440 | | " " | " | 7.8 | 89° 40' | +2.6 | -5.2 | | 5618.6 | | -216 | -384 | 1919,001 | 215,634 |
| 108 | 220 | | " " | " | 6.3 | 89° 40' | +1.3 | -5.0 | | 5618.8 | | -108 | -192 | 1919,109 | 215,826 |
| 109 | 0 | | | | 5.2 | - | | -5.2 | | 5618.6 | π | 0 | 0 | 1919,217 | 216,018 |
| 110 | 220 | | 44° 03' | +16.9 | 6.1 | 89° 40' | +1.3 | -4.8 | | 5619.0 | | +107 | +192 | 1919,324 | 216,210 |
| 111 | 440 | | " " | " | 7.3 | 89° 40' | +2.6 | -4.7 | | 5619.1 | | +214 | +385 | 1919,431 | 216,403 |
| 112 | 660 | | " " | " | 8.6 | 89° 40' | +3.8 | -4.8 | | 5619.0 | | +320 | +577 | 1919,537 | 216,595 |
| 113 | 880 | | " " | " | 9.8 | 89° 40' | +5.1 | -4.7 | | 5619.1 | | +427 | +769 | 1919,644 | 216,787 |
| 114 | 1100 | | 44° 03' | +16.9 | 11.0 | 89° 40' | +6.4 | -4.6 | | 5619.2 | | +534 | +962 | 1919,751 | 216,980 |
| 115 | 1320 | | " " | " | 12.2 | 89° 40' | +7.7 | -4.5 | | 5619.3 | | +641 | +1154 | 1919,858 | 217,172 |
| 116 | 1540 | | " " | " | 8.8 | 89° 50' | +4.5 | -4.3 | | 5619.5 | | +748 | +1346 | 1919,965 | 217,364 |
| 117 | 1760 | | " " | " | 9.2 | 89° 50' | +5.1 | -4.1 | | 5619.7 | | +855 | +1539 | 1920,072 | 217,557 |
| 118 | 1980 | | " " | " | 9.8 | 89° 50' | +5.8 | -4.0 | | 5619.8 | | +961 | +1731 | 1920,178 | 217,749 |

LANDER Co. ↑
Eureka Co. ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|------------------|
| 9-20-83 | | B Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 9 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | |
| NEVADA | | CORTEZ - 15 | | NEV. | | Eureka | | | | | L.O. Davis | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 5623.8 | | | | | |
| 119 | 2200 | | 44° 03' | +16.9° | 10.0 | 89° 50' | +6.4 | -3.6 | | 5620.2 | | +1068 | +1923 | 1920,285 217,941 |
| 120 | 2420 | | " " | " " | 9.1 | 89° 50' | +7.0 | -2.1 | | 5621.7 | | +1175 | +2116 | 1920,392 218,134 |
| 121 | 2640 | | " " | " " | 5.3 | 89° 50' | +7.7 | +2.4 | | 5626.2 | | +1282 | +2308 | 1920,499 218,326 |
| 122 | 2860 | | " " | " " | 5.8 | 89° 40' | +16.6 | +10.8 | | 5634.6 | | +1389 | +2500 | 1920,606 218,518 |
| 123 | 3079 | | 44° 02' 05" | " " | 9.2 | 89° 30' | +26.9 | +17.7 | | | TP | +1496 | +2691 | 1920,712 218,708 |
| 123 | 3079 | | | | 9.3 | 270° 30' | +26.9 | +17.6 | | 5641.4 | TP | - | - | |
| | 2625 | | 223° 46' 10" | +16.9° | 9.9 | - | - | +9.9 | 5651.3 | | BS | +1286 | +2289 | |
| | 2625 | | | | 10.0 | 270° - | - | +10.0 | | | BS | - | - | |
| 124 | 2408 | | 224° 06' | " " | 8.3 | 90° 10' | -7.0 | -15.3 | | 5636.0 | | -1167 | -2106 | 1920,830 218,890 |
| 125 | 2188 | | 224° 11' | " " | 9.7 | 90° 16' | -10.2 | -19.9 | | 5631.4 | | -1058 | -1915 | 1920,939 219,081 |
| 126 | 1968 | | 224° 14' | " " | 10.2 | 90° 16' | -9.2 | -19.4 | | 5631.9 | | -950 | -1723 | 1921,047 219,273 |
| 127 | 1752 | | 223° 25' | " " | 10.9 | 90° 16' | -8.1 | -19.0 | | 5632.3 | | -868 | -1522 | 1921,129 219,474 |
| 128 | 1533 | | 223° 49' | +16.9° | 9.7 | 90° 16' | -7.1 | -16.8 | | 5634.5 | | -750 | -1337 | 1921,247 219,659 |
| 129 | 1314 | | 223° 43' | " " | 11.9 | 90° 10' | -3.8 | -15.7 | | 5635.6 | | -645 | -1145 | 1921,352 219,851 |
| 130 | 1094 | | 223° 59' | " " | 8.7 | 90° 10' | -3.2 | -11.9 | | 5639.4 | | -532 | -956 | 1921,465 220,040 |
| 131 | 875 | | 224° 42' | " " | 8.0 | 90° 10' | -2.5 | -10.5 | | 5640.8 | | -416 | -770 | 1921,581 220,226 |
| 132 | 655 | | 224° 06' | " " | 8.2 | 90° 10' | -1.9 | -10.1 | | 5641.2 | | -318 | -573 | 1921,679 220,423 |
| 133 | 436 | | 223° 00' | " " | 5.7 | - | - | -5.7 | | 5645.6 | | -219 | -377 | 1921,778 220,619 |
| 134 | 220 | | 223° 59' | " " | 6.3 | - | - | -6.3 | | 5645.0 | | -107 | -192 | 1921,890 220,804 |
| 135 | 0 | | | | 5.2 | - | - | -5.2 | | 5646.1 | TP | 0 | 0 | 1921,997 220,996 |

LAST STA. on Lake bed.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 9-20-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | | 10 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEV. | | CORTEZ-15 | | NEV. | | Eureka | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5651.3 | | | | | | |
| 136 | 219 | | 47° 38' | +16.9 | 6.2 | 89° - | +3.8 | -2.4 | | 5648.9 | | +94 | +198 | 1922.091 | 221.194 |
| 137 | 436 | | 43° 34' | " | 6.5 | 89° - | +7.6 | +1.1 | | 5652.4 | | +215 | +379 | 1922.212 | 221.315 |
| 138 | 656 | | 43° 36' | " | 6.4 | 89° - | +11.4 | +5.0 | | 5656.3 | | +323 | +571 | 1922.320 | 221.567 |
| 139 | 876 | | 43° 47' | " | 7.7 | 89° - | +15.3 | +2.6 | | 5658.9 | | +429 | +764 | 1922.426 | 221.760 |
| 140 | 1096 | | 43° 36' | +16.9 | 8.8 | 89° - | +19.1 | +10.3 | | 5661.6 | | +540 | +954 | 1922.537 | 221.950 |
| 141 | 1315 | | 43° 44' | " | 8.9 | 89° - | +22.9 | +14.0 | | 5665.3 | | +645 | +1146 | 1922.642 | 222.142 |
| 142 | 1535 | | 43° 37' | " | 10.2 | 89° - | +26.8 | +16.6 | | 5667.9 | | +755 | +1336 | 1922.752 | 222.332 |
| 143 | 1755 | | " " | " | 12.0 | 89° - | +30.6 | +18.6 | | 5669.9 | | +864 | +1528 | 1922.861 | 222.524 |
| 144 | 1975 | | " " | " | 10.8 | 89° 06' | +31.0 | +20.2 | | 5671.5 | | +972 | +1719 | 1922.969 | 222.715 |
| 145 | 2195 | | 43° 40' | " | 10.3 | 89° 06' | +34.5 | +24.2 | | 5675.5 | | +1079 | +1912 | 1923.076 | 222.908 |
| 146 | 2415 | | " " | " | 10.5 | 89° 06' | +37.9 | +27.4 | | 5678.7 | | +1187 | +2103 | 1923.184 | 223.099 |
| 147 | 2634 | | 43° 46' 53" | " | 12.2 | 89° - | +46.0 | +33.8 | | 5685.1 | TP | +1290 | +2296 | 1923.286 | 223.291 |
| 147 | 2634 | | | | 14.5 | 88° 57' | +48.3 | +33.8 | | | TP | - | - | | |
| | 2197 | | 223° 49' 11" | +16.9 | 12.5 | 91° 10' | +44.7 | +57.2 | 5742.3 | | BS | +1074 | +1916 | | |
| | 2197 | | | | 12.6 | 268° 50' | +44.7 | +57.3 | | | BS | - | - | | |
| 148 | 1977 | | 223° 54' | " | 10.0 | 91° 10' | -40.3 | -50.3 | | 5692.0 | | -965 | -1726 | 1923.394 | 223.480 |
| 149 | 1757 | | " " | " | 8.2 | 91° 10' | -35.8 | -44.0 | | 5698.3 | | -857 | -1534 | 1923.502 | 223.672 |
| 150 | 1539 | | " " | " | 10.0 | 91° - | -26.9 | -36.9 | | 5705.4 | | -751 | -1343 | 1923.608 | 223.863 |
| 151 | 1320 | | " " | " | 12.0 | 91° - | -23.0 | -35.0 | | 5707.3 | | -644 | -1152 | 1923.715 | 224.054 |
| 152 | 1100 | | " " | " | 7.3 | 91° - | -19.2 | -26.5 | | 5715.8 | | -537 | -960 | 1923.822 | 224.246 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|---------------|---------|
| 9-20-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | | 11 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEV. | | CORTEZ - 15 | | NEV. | | EUREKA | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5742.3 | | | | | | |
| 153 | 880 | | 223° 54' | +16.9° | 6.7 | 91° - | -15.4 | -22.1 | | 5720.2 | | -429 | -768 | 1,923,930 | 224,438 |
| 154 | 660 | | " " | " " | 6.7 | 91° - | -11.5 | -18.2 | | 5724.1 | | -322 | -576 | 1,924,037 | 224,630 |
| 155 | 440 | | " " | " " | 8.5 | 90° 30' | -3.8 | -12.3 | | 5730.0 | | -215 | -384 | 1,924,144 | 224,822 |
| 156 | 220 | | " " | " " | 5.8 | 90° 30' | -1.9 | -7.7 | | 5734.6 | | -107 | -192 | 1,924,252 | 225,014 |
| 157 | 0 | | | | 5.2 | - | | -5.2 | | 5737.1 | TP | 0 | 0 | 1,924,359 | 225,206 |
| 158 | 220 | | 43° 52' | +16.9° | 5.1 | 88° 50' | +4.5 | -0.6 | | 5741.7 | | +107 | +192 | 1,924,466 | 225,398 |
| 159 | 440 | | " " | " " | 6.3 | 89° 10' | +6.4 | +0.1 | | 5742.4 | | +215 | +384 | 1,924,574 | 225,590 |
| 160 | 660 | | " " | " " | 6.2 | 89° 10' | +9.6 | +3.4 | | 5745.7 | | +322 | +576 | 1,924,681 | 225,782 |
| 161 | 880 | | " " | " " | 8.8 | 89° 10' | +12.8 | +4.0 | | 5746.3 | | +430 | +768 | 1,924,789 | 225,974 |
| 162 | 1100 | | 43° 52' | +16.9° | 10.2 | 89° 10' | +16.0 | +5.8 | | 5748.1 | | +537 | +960 | 1,924,896 | 226,166 |
| 163 | 1320 | | " " | " " | 10.0 | 89° 20' | +15.4 | +5.4 | | 5747.7 | | +645 | +1152 | 1,925,004 | 226,358 |
| 164 | 1540 | | " " | " " | 8.9 | 89° 10' | +22.4 | +13.5 | | 5755.8 | | +752 | +1344 | 1,925,111 | 226,550 |
| 165 | 1760 | | 44° 00' | " " | 7.9 | 89° 10' | +25.6 | +17.7 | | 5760.0 | | +856 | +1538 | 1,925,215 | 226,744 |
| 166 | 1980 | | " " | " " | 9.2 | 89° 10' | +28.8 | +19.6 | | 5761.9 | | +963 | +1730 | 1,925,322 | 226,936 |
| 167 | 2199 | | 44° 02' 11" | " " | 10.9 | 89° 10' | +32.0 | +21.5 | | 5763.8 | TP | +1068 | +1922 | 1,925,426 | 227,127 |
| 167 | 2199 | | " " | " " | 10.4 | 270° 50' | +32.0 | +21.6 | | | TP | - | - | | |
| | 1538 | | 223° 46' 00" | +16.9° | 9.8 | - | | +9.8 | | | BS | +753 | +1341 | | |
| | 1538 | | " " | " " | 9.7 | 270° - | | +9.7 | 5773.5 | | BS | - | - | | |
| 168 | 1320 | | 223° 48' | " " | 8.1 | - | | -8.1 | | 5765.4 | | -646 | -1151 | 1,925,532 | 227,316 |
| 169 | 1100 | | " " | " " | 8.0 | - | | -8.0 | | 5765.5 | | -538 | -959 | 1,925,640 | 227,508 |

NOTES-HIGH RESOLUTION DATA

Geosource Inc.

| | | INSTRUMENT MAN <i>B. Cotcamp</i> | | ROD MAN <i>D. Wrinkle</i> | | PARTY NUMBER <i>6834</i> | | NOTES CHECKED BY <i>DW</i> | | LINE NO. <i>6</i> | | PAGE <i>12</i> | | | |
|----------------|-------------------|-------------------------------------|-------|------------------------------|----------------|-----------------------------|-------------------------|-------------------------------|----------------------|----------------------|---------|-------------------|-------------|------------------------------------|---------|
| | | TOPO MAP <i>CORTEZ - 15'</i> | | STATE <i>NEV.</i> | | COUNTY <i>EUREKA</i> | | TWP | | RANGE | | PPM | | PARTY MANAGER <i>L.O. Davis</i> | |
| SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + | EAST + | COORDINATES | | REMARKS |
| | | | | | | | | | | | SOUTH - | WEST - | Y | X | |
| LAT. | DEP. | | | | | | | | | | | | | | |
| | | | | | | | | 5773.5 | | | | | | | |
| | 880 | 223° 48' | +16.9 | 6.4 | - | | -6.4 | | 5767.1 | | -431 | -767 | 1925,747 | 227,700 | |
| .1 | 660 | " " | " " | 6.5 | - | | -6.5 | | 5767.0 | | -323 | -576 | 1925,855 | 227,891 | |
| 172 | 440 | " " | " " | 4.9 | - | | -4.9 | | 5768.6 | | -215 | -384 | 1925,963 | 228,083 | |
| 173 | 220 | " " | " " | 5.2 | TH | +1.1 | -4.1 | | 5769.4 | | -108 | -192 | 1926,070 | 228,275 | |
| 174 | 0 | | | 5.2 | - | | -5.2 | | 5768.3 | TP | 0 | 0 | 1926,178 | 228,467 | |
| 175 | 220 | 43° 58' | +16.9 | 5.6 | - | | -5.6 | | 5767.9 | | +107 | +192 | 1926,285 | 228,659 | |
| 176 | 440 | " " | " " | 5.6 | TH | +2.2 | -3.4 | | 5770.1 | | +214 | +384 | 1926,392 | 228,851 | |
| 177 | 660 | " " | " " | 4.8 | TH | +3.3 | -1.5 | | 5772.0 | | +321 | +577 | 1926,499 | 229,044 | |
| 178 | 880 | " " | " " | 7.7 | TH | +4.4 | -3.3 | | 5770.2 | | +428 | +769 | 1926,606 | 229,236 | |
| 179 | 1100 | 43° 58' | " " | 4.8 | - | | -4.8 | | 5768.7 | | +536 | +961 | 1926,714 | 229,428 | |
| 180 | 1320 | 44° 01' | " " | 11.0 | TH | +6.6 | -4.4 | | 5769.1 | | +642 | +1154 | 1926,820 | 229,621 | |
| 181 | 1538 | 44° 01' 21" | " " | 10.7 | TH | +7.7 | -3.0 | | 5770.5 | TP | +747 | +1344 | 1926,924 | 229,810 | |
| 181 | 1538 | | | 7.5 | 89° 50' | +4.5 | -3.0 | | | TP | - | - | | | |
| | 2411 | 223° 24' 24" | +16.9 | 8.1 | 90° 20' | +14.0 | +22.1 | | | BS | +1194 | +2094 | | | |
| | 2411 | | | 13.7 | 90° 12' | +8.4 | +22.1 | 5792.6 | | BS | - | - | | | |
| 182 | 2192 | 223° 24' | " " | 10.5 | 90° 20' | -12.8 | -23.3 | | 5769.3 | | -1086 | -1904 | 1927,031 | 229,999 | |
| 183 | 1972 | 223° 21' | " " | 11.3 | 90° 20' | -11.5 | -22.8 | | 5769.8 | | -979 | -1712 | 1927,138 | 230,191 | |
| 184 | 1752 | 223° 14' | " " | 6.7 | 90° 30' | -15.3 | -22.0 | | 5770.6 | | -872 | -1519 | 1927,245 | 230,384 | |
| 185 | 1536 | 223° 53' | " " | 8.4 | 90° 30' | -13.4 | -21.8 | | 5770.8 | | -750 | -1341 | 1927,367 | 230,562 | |
| 186 | 1316 | 223° 47' | " " | 9.6 | 90° 30' | -11.5 | -21.1 | | 5771.5 | | -644 | -1147 | 1927,473 | 230,756 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|--|--|
| 9-20-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 13 | | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | |
| NEU. | | CORTEZ-15' | | NEU. | | EUREKA | | | | | L.O. Davis | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | |
| | | | | | | | | | 5792.6 | | | | | | | | |
| 187 | 1097 | | 223° 59' | +16.9° | 10.3 | 90° 30' | -9.6 | -19.9 | | 5772.7 | | -534 | -958 | 1927,583 | 230,945 | | |
| 188 | 877 | | 223° 51' | " | 11.0 | 90° 30' | -7.7 | -18.7 | | 5773.9 | | -427 | -766 | 1927,690 | 231,137 | | |
| 189 | 657 | | 224° 03' | " | 10.8 | 90° 30' | -5.7 | -16.5 | | 5776.1 | | -319 | -574 | 1927,798 | 231,329 | | |
| 190 | 438 | | 224° 25' | " | 9.1 | 90° 30' | -3.8 | -12.9 | | 5779.7 | | -210 | -384 | 1927,907 | 231,519 | | |
| 191 | 219 | | 225° 07' | " | 5.9 | 90° 30' | -1.9 | -7.8 | | 5784.8 | | -103 | -193 | 1928,014 | 231,710 | | |
| 192 | 0 | | | | 5.2 | - | | -5.2 | | 5787.4 | K | 0 | 0 | 1928,117 | 231,903 | | |
| 2274 | | | 89° 30' 42" | +16.9° | 8.3 | 87° 50' | +85.9 | +77.6 | | 5870.2 | | -642 | +2180 | 1927,475 | 234,083 | U-1927,395 X-234,095 T-Intersect | |
| Sec. Corner | 2160 | | 73° 44' 04" | " | 9.3 | 88° - | +75.4 | +66.1 | | | TP | -24 | +2159 | 1928,092 | 234,061 | U-1928,095 X-234,185 U.S. GEOL. LAND OFFICE SURVEY 5858 192 CORNER | |
| Sec. C. | 2160 | | | | 9.4 | 272° - | +75.4 | +66.0 | | 5858.6 | TP | - | - | | | | |
| | 1357 | | 177° 50' 31" | +16.8° | 3.9 | 90° - | +3.9 | +3.9 | | | BS | +1313 | +343 | | | | |
| | 1357 | | | | 3.9 | 270° - | +3.9 | +3.9 | | 5862.5 | BS | - | - | | | | |
| 193 | 2596 | | 225° 46' | +16.8° | 10.8 | 91° 20' | -60.4 | -71.2 | | 5791.3 | | -1196 | -2304 | 1928,208 | 232,099 | | |
| 194 | 2377 | | 225° 50' | " | 13.0 | 91° 20' | -55.3 | -68.3 | | 5794.2 | | -1093 | -2111 | 1928,311 | 232,292 | | |
| 195 | 2158 | | 226° 05' | " | 10.0 | 91° 30' | -56.5 | -66.5 | | 5796.0 | | -984 | -1921 | 1928,426 | 232,482 | | |
| 196 | 1938 | | 225° 55' | " | 11.1 | 91° 30' | -50.7 | -61.8 | | 5800.7 | | -888 | -1722 | 1928,516 | 232,681 | | |
| 197 | 1726 | | 227° 09' | +16.8° | 8.9 | 91° 40' | -50.2 | -59.1 | | 5803.4 | | -758 | -1551 | 1928,646 | 232,852 | | |
| 198 | 1508 | | 227° 01' | " | 10.8 | 91° 30' | -39.5 | -50.3 | | 5812.2 | | -665 | -1353 | 1928,739 | 233,050 | | |
| 199 | 1289 | | 227° 42' | " | 12.0 | 91° 30' | -33.7 | -45.7 | | 5816.8 | | -555 | -1163 | 1928,849 | 233,240 | | |
| 200 | 1070 | | 228° 31' | " | 12.2 | 91° 40' | -31.1 | -43.3 | | 5819.2 | | -447 | -972 | 1928,957 | 233,431 | | |
| 201 | 851 | | 228° 36' | " | 8.9 | 91° 40' | -24.7 | -33.6 | | 5828.9 | | -354 | -774 | 1929,056 | 233,629 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|--|
| 9.22-83 | | B. Potcamp | | D. Weinkle | | 6834 | | DW | | 6 | 14 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | |
| NEV. | | CORTEZ - 15' | | NEV. | | EUREKA | | | | | L.O. DAVIS | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 5862.5 | | | | | |
| 202 | 644 | | 225° 44' | +16.8° | 8.2 | 91° 40' | -18.7 | -26.9 | | 5835.6 | | -297 | -571 | 1,929,107 233,882 |
| 203 | 429 | | 229° 16' | " | 9.1 | 91° 40' | -12.5 | -21.6 | | 5840.9 | | -174 | -392 | 1,929,230 234,011 |
| 204 | 213 | | 224° 42' | " | 6.4 | 91° 40' | -6.2 | -12.6 | | 5849.9 | | -102 | -187 | 1,929,302 234,216 |
| 205 | 0 | | | | 5.2 | - | | -5.2 | | 5857.3 | X | 0 | 0 | 1,929,404 234,403 |
| 206 | 213 | | 30° 32' | +16.8° | 9.7 | 87° 50' | +8.0 | -1.7 | | 5860.8 | | +144 | +157 | 1,929,518 234,560 |
| 207 | 428 | | 38° 49' | " | 5.7 | 87° 30' | +18.7 | +13.0 | | 5875.5 | | +242 | +353 | 1,929,646 234,756 |
| 208 | 638 | | 36° 50' | " | 9.4 | 87° 30' | +27.8 | +18.4 | | 5880.9 | | +378 | +514 | 1,929,782 234,917 |
| 209 | 853 | | 39° 14' | " | 11.0 | 87° 30' | +37.2 | +26.2 | | 5888.7 | | +477 | +707 | 1,929,881 235,110 |
| 210 | 1070 | | 39° 35' | +16.8° | 10.7 | 87° 40' | +43.5 | +32.8 | | 5895.3 | | +592 | +891 | 1,929,996 235,294 |
| 211 | 1287 | | 39° 20' | " | 9.4 | 87° 40' | +52.4 | +43.0 | | 5905.5 | | +717 | +1069 | 1,930,121 235,472 |
| 212 | 1495 | | 39° 09' | " | 5.3 | 87° 40' | +60.8 | +55.5 | | 5918.0 | | +837 | +1239 | 1,930,241 235,642 ^{1st} station on road |
| 213 | 1692 | | 35° 41' | " | 7.2 | 87° 30' | +73.7 | +66.5 | | 5929.0 | | +1030 | +1342 | 1,930,434 235,745 |
| 214 | 1900 | | 33° 19' | " | 4.2 | 87° 30' | +82.8 | +78.6 | | 5941.1 | | +1218 | +1458 | 1,930,622 235,861 |
| 215 | 2117 | | 32° 40' | " | 7.2 | 87° 30' | +92.3 | +85.1 | | 5947.6 | | +1376 | +1609 | 1,930,780 236,012 |
| 216 | 2336 | | 33° 28' | " | 9.1 | 87° 30' | +101.8 | +92.7 | | 5955.2 | | +1493 | +1796 | 1,930,897 236,199 |
| TP | 2378 | | 33° 02' 35" | " | 11.4 | 87° 30' | +103.7 | +92.3 | | | TP | +1532 | +1816 | 1,930,935 236,218 |
| TP | 2378 | | | | 11.5 | 272° 30' | +103.7 | +92.2 | | 5954.7 | TP | - | - | |
| | 842 | | 225° 30' 17" | +16.8° | 11.2 | 91° 10' | +17.1 | +28.3 | | | BS | +391 | +745 | |
| | 842 | | | | 8.7 | 91° 20' | +19.6 | +28.3 | 5983.0 | | BS | - | - | |
| 217 | 658 | | 224° 00' | " | 10.2 | 91° 20' | -15.3 | -25.5 | | 5957.5 | | -321 | -574 | 1,931,004 236,388 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|--|-----------------------|----------------------|-----------------------------|---------------|------------|
| DATE 9.22.83 | INSTRUMENT MAN B. Cotcamp | ROD MAN D. Wrinkle | PARTY NUMBER 6834 | NOTES CHECKED BY DW | LINE NO. 6 | PAGE 15 |
| AREA NEV. | TOPO MAP Cortez House Creek Valley -15' | STATE NEV. | COUNTY EUREKA | TWP | RANGE | PPM |
| | | | | PARTY MANAGER L.O. Davis | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-----------------|---------------|-------------|---------|---------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | |
| | | | | | | | | | 5983.0 | | | | | | | |
| 218 | 440 | | 224° 00' | +16.8° | 8.7 | 91° | -7.7 | -16.4 | | 5966.6 | | -215 | -384 | 1931.110 | 236.518 | |
| 219 | 220 | | " " | " " | 7.0 | 90° 30' | -1.9 | -8.9 | | 5974.1 | | -107 | -192 | 1931.218 | 236.770 | |
| 220 | 0 | | | | 5.2 | - | | -5.2 | | 5977.8 | TP | 0 | 0 | 1931.325 | 236.962 | |
| 221 | 220 | | 41° 34' | +16.8° | 8.3 | 91° 30' | -5.8 | -14.1 | | 5968.9 | | +115 | +187 | 1931.440 | 237.149 | |
| 222 | 440 | | " " | " " | 12.4 | 91° 30' | -11.5 | -23.9 | | 5959.1 | | +231 | +375 | 1931.556 | 237.337 | |
| 223 | 660 | | " " | " " | 9.8 | 91° 50' | -21.1 | -30.9 | | 5952.1 | | +346 | +562 | 1931.671 | 237.524 | |
| 224 | 880 | | " " | " " | 6.9 | 91° 50' | -28.1 | -35.0 | | 5948.0 | | +462 | +749 | 1931.787 | 237.711 | |
| 225 | 1101 | | 41° 42' 59" | +16.8° | 4.8 | 91° 50' | -35.2 | -40.0 | | 5943.0 | TP | +575 | +938 | 1931.900 | 237.899 | |
| 225 | 1101 | | | | 7.9 | 91° 40' | -32.0 | -39.9 | | | TP | | | | | |
| | 3519 | | 221° 55' 43" | " " | 5.5 | 88° 50' | -71.6 | -66.1 | 5876.9 | | BS | +1826 | +3007 | | | |
| | 3519 | | | | 5.6 | 271° 16' | -71.6 | -66.0 | | | BS | | | | | |
| 226 | 3300 | | 221° 59' | " " | 8.6 | 88° 50' | +67.2 | +58.6 | | 5935.5 | | -1710 | -2822 | 1932.016 | 238.083 | |
| 227 | 3080 | | " " | " " | 11.2 | 88° 50' | +62.7 | +51.5 | | 5928.4 | | -1596 | -2634 | 1932.130 | 238.271 | |
| 228 | 2860 | | " " | " " | 13.0 | 88° 50' | +58.2 | +45.2 | | 5922.1 | | -1482 | -2446 | 1932.244 | 238.459 | |
| 229 | 2640 | | " " | " " | 8.3 | 89° | +46.1 | +37.8 | | 5914.7 | | -1368 | -2258 | 1932.358 | 238.647 | |
| 230 | 2420 | | 221° 59' | +16.8° | 8.5 | 89° | +42.2 | +33.7 | | 5910.6 | | -1254 | -2070 | 1932.427 | 238.835 | |
| 231 | 2200 | | " " | " " | 7.7 | 89° | +38.4 | +30.7 | | 5907.6 | | -1140 | -1881 | 1932.586 | 239.024 | |
| 232 | 1980 | | " " | " " | 11.3 | 88° 50' | +40.3 | +29.0 | | 5905.9 | | -1026 | -1693 | 1932.700 | 239.212 | |
| 233 | 1760 | | " " | " " | 7.1 | 88° 50' | +35.8 | +28.7 | | 5905.6 | | -912 | -1505 | 1932.814 | 239.400 | |
| 234 | 1540 | | " " | " " | 6.3 | 88° 50' | +31.4 | +25.1 | | 5902.0 | | -798 | -1317 | 1932.928 | 239.588 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|-------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-------------------------|-----------------------|-----------|---------|
| 9.22.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 16 | | | | |
| AREA | | TOPO MAP | STATE | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | |
| NEV. | | Horse Creek Valley - 15 | NEV. | EUREKA | | | | | L. D. Davis | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5876.9 | | | | | | |
| 235 | 1320 | | 221° 59' | +16.8° | 5.2 | 88° 50' | +26.9 | +21.7 | | 5898.6 | | -684 | -1129 | 1,933,042 | 239,776 |
| 236 | 1100 | | " " | " " | 5.8 | 88° 50' | +22.4 | +16.6 | | 5893.5 | | -570 | -941 | 1,933,156 | 239,964 |
| 237 | 880 | | " " | " " | 7.4 | 88° 40' | +20.5 | +13.1 | | 5890.0 | | -456 | -753 | 1,933,270 | 240,152 |
| 238 | 660 | | " " | " " | 6.3 | 88° 40' | +15.4 | +9.1 | | 5886.0 | | -342 | -564 | 1,933,384 | 240,341 |
| 239 | 440 | | " " | " " | 6.0 | 88° 40' | +10.2 | +4.2 | | 5881.1 | | -228 | -376 | 1,933,498 | 240,529 |
| 240 | 220 | | " " | " " | 5.9 | 88° 40' | +5.1 | -0.8 | | 5876.1 | | -114 | -188 | 1,933,612 | 240,717 |
| 241 | 0 | | | | 5.2 | - | | -5.2 | | 5871.7 | X | 0 | 0 | 1,933,726 | 240,905 |
| 242 | 220 | | 42° 02' | +16.8° | 5.4 | 90° 50' | -3.2 | -8.6 | | 5868.3 | | +114 | +188 | 1,933,840 | 241,093 |
| 243 | 440 | | " " | " " | 6.0 | 90° 50' | -6.4 | -12.4 | | 5864.5 | | +228 | +376 | 1,933,954 | 241,281 |
| 244 | 660 | | " " | " " | 6.7 | 90° 50' | -9.6 | -16.3 | | 5860.6 | | +342 | +565 | 1,934,068 | 241,470 |
| 245 | 880 | | " " | " " | 6.3 | 90° 50' | -12.8 | -19.1 | | 5857.8 | | +455 | +753 | 1,934,181 | 241,658 |
| 246 | 1100 | | 42° 02' | +16.8° | 6.7 | 90° 50' | -16.0 | -22.7 | | 5854.2 | | +569 | +941 | 1,934,295 | 241,846 |
| 247 | 1320 | | " " | " " | 7.0 | 90° 50' | -19.2 | -26.2 | | 5850.7 | | +683 | +1129 | 1,934,409 | 242,034 |
| 248 | 1540 | | " " | " " | 7.7 | 90° 50' | -22.4 | -30.1 | | 5846.8 | | +797 | +1318 | 1,934,523 | 242,223 |
| 249 | 1760 | | " " | " " | 8.0 | 90° 50' | -25.6 | -33.6 | | 5843.3 | | +911 | +1506 | 1,934,637 | 242,411 |
| 250 | 1980 | | 42° 02' | +16.8° | 8.7 | 90° 50' | -28.8 | -37.5 | | 5839.4 | | +1025 | +1694 | 1,934,751 | 242,599 |
| 251 | 2200 | | " " | " " | 8.3 | 90° 50' | -32.0 | -40.3 | | 5836.6 | | +1139 | +1882 | 1,934,865 | 242,787 |
| 252 | 2420 | | " " | " " | 7.5 | 90° 50' | -35.2 | -42.7 | | 5834.2 | | +1252 | +2071 | 1,934,978 | 242,976 |
| 253 | 2640 | | " " | " " | 6.3 | 90° 50' | -38.4 | -44.7 | | 5832.2 | | +1366 | +2259 | 1,935,092 | 243,164 |
| 254 | 2860 | | " " | " " | 5.1 | 90° 50' | -41.6 | -46.7 | | 5830.2 | | +1480 | +2447 | 1,935,206 | 243,352 |

Cortez - 15' ↑

OTES-HIGH RESOLUTION DATA

Geosource Inc.

| 22-83 | | INSTRUMENT MAN B. Cotcamp | | ROD MAN D. Wrinkle | | PARTY NUMBER 6834 | | NOTES CHECKED BY DW | | LINE NO. 6 | | PAGE 17 | | | | | |
|----------------|-------------------|-----------------------------------|--------|-----------------------|----------------|----------------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------------|---------------|-----------------------------|-------------|--------------------|---------|
| SU. | | TOPO MAP Morse Creek Valley-15 | | STATE NEV | | COUNTY EUREKA | | TWP | | RANGE | | PPM | | PARTY MANAGER L.O. Davis | | | |
| SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
| | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | 5876.9 | | | | | | | | | |
| 3080 | | 42° 02' | +16.8° | 4.4 | 90° 50' | -44.8 | -49.2 | | 5827.7 | | +1594 | +2635 | 1,935,320 | 243,540 | | Morse Creek Valley | |
| 3300 | | " " | " " | 10.9 | 90° 42' | -40.3 | -51.2 | | 5825.7 | | +1708 | +2824 | 1,935,434 | 243,729 | | ↓ | |
| 3518 | | 42° 01' 36" | " " | 12.1 | 90° 46' | -40.9 | -53.0 | | | TP | +1821 | +3010 | 1,935,547 | 243,914 | | | |
| 3518 | | | | 12.2 | 269° 20' | -40.9 | -53.1 | | 5823.8 | TP | | -1 | | | | | |
| 4401 | | 221° 56' 04" | +16.8° | 13.3 | 89° 30' | -38.4 | -25.1 | | | BS | +2284 | +3762 | | | | | |
| 4401 | | | | 13.2 | 270° 30' | -38.4 | -25.2 | 5798.6 | | BS | | -1 | | | | | |
| 4180 | | 221° 55' | " " | 11.1 | 89° 32' | +34.0 | +22.9 | | 5821.5 | | -2171 | -3572 | 1,935,660 | 244,103 | | | |
| 3960 | | " " | " " | 10.9 | 89° 32' | +32.2 | +21.3 | | 5819.9 | | -2056 | -3384 | 1,935,775 | 244,291 | | | |
| 3740 | | " " | " " | 11.2 | 89° 32' | +30.4 | +19.2 | | 5817.8 | | -1942 | -3196 | 1,935,889 | 244,479 | | | |
| 3520 | | " " | " " | 11.1 | 89° 32' | +28.7 | +17.6 | | 5816.2 | | -1828 | -3008 | 1,936,003 | 244,667 | | | |
| 3300 | | " " | " " | 11.4 | 89° 32' | +26.9 | +15.5 | | 5814.1 | | -1714 | -2820 | 1,936,117 | 244,855 | | | |
| 3080 | | 221° 55' | +16.8° | 11.0 | 89° 32' | +25.1 | +14.1 | | 5812.7 | | -1599 | -2632 | 1,936,232 | 245,043 | | | |
| 2860 | | " " | " " | 10.8 | 89° 32' | +23.3 | +12.5 | | 5811.1 | | -1485 | -2444 | 1,936,346 | 245,231 | | | |
| 2640 | | " " | " " | 12.1 | 89° 30' | +23.0 | +10.9 | | 5809.5 | | -1371 | -2256 | 1,936,460 | 245,419 | | | |
| 2420 | | " " | " " | 11.9 | 89° 30' | +21.1 | +9.2 | | 5807.8 | | -1257 | -2068 | 1,936,574 | 245,607 | | | |
| 2200 | | 221° 55' | +16.8° | 11.6 | 89° 30' | +19.2 | +7.6 | | 5806.2 | | -1142 | -1880 | 1,936,689 | 245,795 | | | |
| 1980 | | " " | " " | 11.2 | 89° 30' | +17.3 | +6.1 | | 5804.7 | | -1028 | -1692 | 1,936,803 | 245,983 | | | |
| 1760 | | " " | " " | 10.4 | 89° 30' | +15.4 | +5.0 | | 5803.6 | | -914 | -1504 | 1,936,917 | 246,171 | | | |
| 1540 | | " " | " " | 9.8 | 89° 30' | +13.4 | +3.6 | | 5802.2 | | -780 | -1316 | 1,937,051 | 246,359 | | | |
| 1320 | | " " | " " | 9.1 | 89° 30' | +11.5 | +2.4 | | 5801.0 | | -685 | -1128 | 1,937,146 | 246,547 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-------------------------|-----------------------|----------|---------|
| 9-22-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 18 | | | | |
| AREA | | TOPO MAP | STATE | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | |
| NEU. | | Horse Creek Valley-15 | NEU. | Eureka | | | | | L. O. Davis | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5798.6 | | | | | | |
| 272 | 1100 | | 221° 55' | +16.8 | 8.6 | 89° 30' | +9.6 | +1.0 | | 5799.6 | | -571 | -940 | 1937,260 | 246,735 |
| 273 | 880 | | " " | " " | 7.9 | 89° 30' | +7.7 | -0.2 | | 5798.4 | | -457 | -752 | 1937,374 | 246,923 |
| 274 | 660 | | " " | " " | 7.2 | 89° 30' | +5.8 | -1.4 | | 5797.2 | | -343 | -564 | 1937,488 | 247,111 |
| 275 | 440 | | " " | " " | 6.2 | 89° 30' | +3.8 | -2.4 | | 5796.2 | | -228 | -376 | 1937,603 | 247,299 |
| 276 | 220 | | " " | " " | 5.8 | 89° 30' | +1.9 | -3.9 | | 5794.7 | | -114 | -188 | 1937,717 | 247,487 |
| 277 | 0 | | | | 5.2 | - | | -5.2 | | 5793.4 | π | 0 | 0 | 1937,831 | 247,675 |
| 278 | 220 | | 41° 52' | | 6.3 | - | | -6.3 | | 5792.3 | | +114 | +188 | 1937,945 | 247,863 |
| 279 | 440 | | " " | +16.8 | 7.1 | - | | -7.1 | | 5791.5 | | +229 | +376 | 1938,060 | 248,051 |
| 280 | 660 | | " " | " " | 8.2 | - | | -8.2 | | 5790.4 | | +343 | +564 | 1938,174 | 248,239 |
| 281 | 880 | | " " | " " | 8.3 | - | | -8.3 | | 5790.3 | | +458 | +752 | 1938,289 | 248,427 |
| 282 | 1100 | | " " | " " | 8.8 | - | | -8.8 | | 5789.8 | | +572 | +940 | 1938,403 | 248,615 |
| 283 | 1320 | | 41° 52' | " " | 9.2 | - | | -9.2 | | 5789.4 | | +686 | +1127 | 1938,517 | 248,802 |
| 284 | 1540 | | " " | +16.8 | 10.0 | - | | -10.0 | | 5788.6 | | +801 | +1315 | 1938,632 | 248,990 |
| 285 | 1760 | | " " | " " | 11.9 | - | | -11.9 | | 5786.7 | | +915 | +1503 | 1938,746 | 249,178 |
| 286 | 1980 | | " " | " " | 7.4 | 90° 10' | -5.8 | -13.2 | | 5785.4 | | +1030 | +1691 | 1938,861 | 249,366 |
| 287 | 2200 | | " " | " " | 8.3 | 90° 10' | -6.4 | -14.7 | | 5783.9 | | +1144 | +1879 | 1938,975 | 249,554 |
| 288 | 2420 | | 41° 52' | " " | 9.2 | 90° 10' | -7.0 | -16.2 | | 5782.4 | | +1258 | +2067 | 1939,089 | 249,742 |
| 289 | 2640 | | " " | " " | 10.2 | 90° 10' | -7.7 | -17.9 | | 5780.7 | | +1373 | +2255 | 1939,204 | 249,930 |
| 290 | 2860 | | " " | " " | 11.0 | 90° 10' | -8.3 | -19.3 | | 5779.3 | | +1487 | +2443 | 1939,318 | 250,118 |
| 291 | 3080 | | " " | " " | 10.4 | 90° 10' | -9.0 | -19.4 | | 5779.2 | | +1602 | +2631 | 1939,433 | 250,306 |

NOTES-HIGH RESOLUTION DATA

Geosource Inc.

| | | | | | | |
|----|-----------------------------------|-----------------------|----------------------|------------------------|---------------|-----------------------------|
| 83 | INSTRUMENT MAN B. Cotramp | ROD MAN D. Weinkle | PARTY NUMBER 6834 | NOTES CHECKED BY DW | LINE NO. 6 | PAGE 19 |
| | TOPO MAP Morse Creek Valley-19 | STATE NEV. | COUNTY EUREKA | TWP | RANGE | PPM |
| | | | | | | PARTY MANAGER L.O. Davis |

| SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
|----------------|---------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|
| | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | 5798.6 | | | | | | | | | |
| 3300 | | 41° 52' | +16.8° | 8.7 | 90° 10' | -9.6 | -18.3 | | 5780.3 | | +1716 | +2819 | 1939,547 | 250,474 | | | |
| 3520 | | " " | " " | 7.3 | 90° 10' | -10.2 | -17.5 | | 5781.1 | | +1830 | +3007 | 1939,661 | 250,682 | | | |
| 3740 | | " " | " " | 6.5 | 90° 10' | -10.9 | -17.4 | | 5781.2 | | +1945 | +3195 | 1939,776 | 250,870 | | | |
| 3960 | | " " | " " | 6.5 | 90° 10' | -11.5 | -18.0 | | 5780.6 | | +2059 | +3382 | 1939,890 | 251,057 | | | |
| 4180 | | " " | " " | 7.1 | 90° 10' | -12.2 | -19.3 | | 5779.3 | | +2174 | +3570 | 1940,005 | 251,245 | | | |
| 7 4400 | | 41° 53' 54" | " " | 8.8 | 90° 10' | -12.8 | -21.6 | | | TP | +2286 | +3760 | 1940,117 | 251,434 | | | |
| 7 4400 | | " " | " " | 8.9 | 269° 50' | -12.8 | -21.7 | | 5776.9 | TP | | - | | | | | |
| 4399 | | 222° 41' 10" | +16.8° | 5.0 | 89° 30' | -38.4 | -33.4 | 5743.5 | | BS | +2233 | +3790 | | | | | |
| 4399 | | " " | " " | 5.1 | 270° 30' | -38.4 | -33.3 | | | BS | | - | | | | | |
| 298 4180 | | 222° 43' | +16.8° | 9.8 | 89° 26' | +41.3 | +31.5 | | 5775.0 | | -2120 | -3602 | 1940,230 | 251,621 | | | |
| 299 3960 | | " " | " " | 10.0 | 89° 26' | +39.2 | +29.2 | | 5772.7 | | -2009 | -3413 | 1940,341 | 251,810 | | | |
| 300 3740 | | " " | " " | 9.2 | 89° 26' | +32.0 | +27.8 | | 5771.3 | | -1897 | -3223 | 1940,453 | 252,000 | | | |
| 301 3520 | | " " | " " | 9.7 | 89° 26' | +34.8 | +25.1 | | 5768.6 | | -1786 | -3033 | 1940,564 | 252,190 | | | |
| 302 3300 | | " " | " " | 9.9 | 89° 26' | +32.6 | +22.7 | | 5766.2 | | -1674 | -2844 | 1940,676 | 252,379 | | | |
| 303 3080 | | 222° 43' | +16.8° | 10.9 | 89° 26' | +30.5 | +19.6 | | 5763.1 | | -1562 | -2654 | 1940,788 | 252,569 | | | |
| 304 2860 | | " " | " " | 8.1 | 89° 30' | +25.0 | +16.9 | | 5760.4 | | -1451 | -2465 | 1940,899 | 252,758 | | | |
| 305 2640 | | " " | " " | 9.0 | 89° 30' | +23.0 | +14.0 | | 5757.5 | | -1339 | -2225 | 1941,011 | 252,948 | | | |
| 306 2420 | | " " | " " | 9.7 | 89° 30' | +21.1 | +11.4 | | 5754.9 | | -1228 | -2086 | 1941,122 | 253,137 | | | |
| 307 2200 | | " " | " " | 10.1 | 89° 30' | +19.2 | +9.1 | | 5752.6 | | -1116 | -1896 | 1941,234 | 253,327 | | | |
| 308 1980 | | " " | " " | 10.9 | 89° 30' | +17.3 | +6.4 | | 5749.9 | | -1004 | -1706 | 1941,346 | 253,517 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-------------------------|-----------------------|---------------|---------|
| 9-22-83 | | B. Cotcamp | | D. Weinkle | | 6834 | | DW | | 6 | | 20 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEV. | | Horse Creek Valley-15' | | NEV. | | Eureka | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5743.5 | | | | | | |
| 309 | 1760 | | 222° 43' | +16.8° | 11.1 | 89° 30' | +15.4 | +4.3 | | 5747.8 | | -893 | -1517 | 1,941,457 | 253,706 |
| 310 | 1540 | | " " | " " | 9.8 | 89° 30' | +13.4 | +3.6 | | 5747.1 | | -781 | -1327 | 1,941,569 | 253,896 |
| 311 | 1320 | | " " | " " | 9.2 | 89° 30' | +11.5 | +2.3 | | 5745.8 | | -670 | -1138 | 1,941,680 | 254,085 |
| 312 | 1100 | | " " | " " | 8.6 | 89° 30' | +9.6 | +1.0 | | 5744.5 | | -558 | -948 | 1,941,792 | 254,275 |
| 313 | 880 | | 222° 43' | +16.8° | 7.8 | 89° 30' | +7.7 | -0.1 | | 5743.4 | | -446 | -758 | 1,941,904 | 254,465 |
| 314 | 660 | | " " | " " | 7.3 | 89° 30' | +5.8 | -1.5 | | 5742.0 | | -335 | -569 | 1,942,015 | 254,654 |
| 315 | 440 | | " " | " " | 7.0 | 89° 30' | +3.8 | -3.2 | | 5740.3 | | -223 | -379 | 1,942,127 | 254,844 |
| 316 | 220 | | " " | " " | 6.1 | 89° 30' | +1.9 | -4.2 | | 5739.3 | | -112 | -190 | 1,942,238 | 255,033 |
| 317 | 0 | | | | 5.2 | - | | -5.2 | | 5738.3 | T | 0 | 0 | 1,942,350 | 255,223 |
| 318 | 220 | | 42° 47' | +16.8° | 4.0 | - | | -4.0 | | 5739.5 | | +111 | +190 | 1,942,461 | 255,413 |
| 319 | 440 | | " " | " " | 6.7 | 74 | +2.2 | -4.5 | | 5739.0 | | +223 | +379 | 1,942,573 | 255,602 |
| 320 | 660 | | " " | " " | 5.1 | - | | -5.1 | | 5738.4 | | +334 | +569 | 1,942,684 | 255,792 |
| 321 | 880 | | " " | " " | 5.8 | - | | -5.8 | | 5737.7 | | +446 | +759 | 1,942,796 | 255,982 |
| 322 | 1100 | | " " | " " | 6.7 | - | | -6.7 | | 5736.8 | | +557 | +949 | 1,942,907 | 255,172 |
| 323 | 1320 | | " " | " " | 7.2 | - | | -7.2 | | 5736.3 | | +668 | +1138 | 1,942,018 | 256,361 |
| 324 | 1540 | | 42° 47' | +16.8° | 8.3 | - | | -8.3 | | 5735.2 | | +780 | +1328 | 1,943,130 | 256,551 |
| 325 | 1760 | | " " | " " | 8.9 | - | | -8.9 | | 5734.6 | | +891 | +1518 | 1,943,08 | 256,741 |
| 326 | 1980 | | " " | " " | 9.9 | - | | -9.9 | | 5733.6 | | +1002 | +1707 | 1,943,241 | 256,936 |
| 327 | 2200 | | " " | " " | 10.9 | - | | -10.9 | | 5732.6 | | +1114 | +1897 | 1,943,464 | 257,128 |
| 328 | 2420 | | " " | " " | 11.9 | - | | -11.9 | | 5731.6 | | +1225 | +2087 | 1,943,575 | 257,310 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|----------|---------|
| 9-22-83 | | B. Costamp | | D. Weinkle | | 6834 | | PW | | 6 | 21 | | | | |
| AREA | | TOPO MAP | STATE | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | |
| NEV. | | Horse Creek Valley-15 | NEV. | Eureka | | | | | L.O. Davis | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5743.5 | | | | | | |
| 329 | 2640 | | 42° 47' | +16.8° | 8.7 | 90° 06' | -4.6 | -13.3 | | 5730.2 | | +1337 | +2277 | 1943.687 | 257,500 |
| 330 | 2860 | | " " | " " | 8.9 | 90° 06' | -5.0 | -13.9 | | 5729.6 | | +1448 | +2466 | 1943.798 | 257,689 |
| 331 | 3080 | | " " | " " | 9.6 | 90° 06' | -5.4 | -15.0 | | 5728.5 | | +1559 | +2656 | 1943.909 | 257,879 |
| 332 | 3300 | | " " | " " | 10.0 | 90° 06' | -5.8 | -15.8 | | 5727.7 | | +1671 | +2846 | 1944.021 | 258,069 |
| 333 | 3520 | | 42° 47' | +16.8° | 11.1 | 90° 06' | -6.2 | -17.3 | | 5726.2 | | +1782 | +3036 | 1944.132 | 258,259 |
| 334 | 3740 | | " " | " " | 8.7 | 90° 10' | -10.9 | -19.6 | | 5723.9 | | +1894 | +3225 | 1944.244 | 258,448 |
| 335 | 3960 | | " " | " " | 9.0 | 90° 10' | -11.5 | -20.5 | | 5723.0 | | +2005 | +3415 | 1944.355 | 258,638 |
| 336 | 4181 | | 42° 49' 31" | " " | 9.9 | 90° 10' | -12.2 | -22.1 | | | TP | +2114 | +3607 | 1944.464 | 258,829 |
| 336 | 4181 | | | | 10.0 | 269° 50' | -12.2 | -22.2 | | 5721.3 | TP | | | | |
| | 2862 | | 223° 22' 08" | | +13.4 | 89° 24' | -30.0 | -16.6 | | 5704.7 | BS | +1424 | +2483 | | |
| | 2862 | | " " | | +13.5 | 270° 36' | -30.0 | -16.5 | | | BS | | -2 | | |
| 337 | 2642 | | 223° 22' | | 10.8 | 89° 26' | +26.1 | +15.3 | | 5720.0 | | -1314 | -2292 | 1944.574 | 259,018 |
| 338 | 2422 | | " " | | 10.7 | 89° 26' | +24.0 | +13.3 | | 5718.0 | | -1205 | -2101 | 1944.683 | 259,209 |
| 339 | 2202 | | " " | | 9.2 | 89° 26' | +21.8 | +12.6 | | 5717.3 | | -1095 | -1910 | 1944.793 | 259,400 |
| 0 | 1982 | | " " | | 8.8 | 89° 26' | +19.6 | +10.8 | | 5715.5 | | -986 | -1719 | 1944.902 | 259,591 |
| 1 | 1762 | | 223° 22' | | 8.8 | 89° 26' | +17.4 | +8.6 | | 5713.3 | | -877 | -1528 | 1945.011 | 259,782 |
| | 1542 | | " " | | 8.2 | 89° 26' | +15.3 | +7.1 | | 5711.8 | | -767 | -1338 | 1945.121 | 259,972 |
| | 1322 | | " " | | 8.0 | 89° 26' | +13.1 | +5.1 | | 5709.8 | | -658 | -1147 | 1945.230 | 260,163 |
| | 1102 | | " " | | 7.0 | 89° 26' | +10.9 | +3.9 | | 5708.6 | | -548 | -956 | 1945.340 | 260,354 |
| | 882 | | " " | | 6.8 | 89° 26' | +8.7 | +1.9 | | 5706.6 | | -439 | -765 | 1945.449 | 260,545 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|------------------------|----------------------|---------------|---------|
| 9-22-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW JD | | 6 | | 22 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Moose Creek Valley-15 | | NEVADA | | Eureka | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH+ SOUTH - LAT. | EAST+ WEST - DEP. | | Y |
| | | | | | | | | | 5704.7 | | | | | | |
| 346 | 662 | | 223° 22' | +16.8° | 6.6 | 89° 26' | +6.5 | -0.1 | | 5704.6 | | -329 | -574 | 1,945,559 | 260,736 |
| 347 | 442 | | " " | " " | 5.9 | 89° 26' | +4.4 | -1.5 | | 5703.2 | | -220 | -383 | 1,945,668 | 260,927 |
| 348 | 222 | | " " | " " | 5.3 | 89° 26' | +2.2 | -3.1 | | 5701.6 | | -110 | -193 | 1,945,778 | 261,117 |
| ff | 63 | | 246° 14' 00" | " " | 4.6 | - | - | -4.6 | | 5700.1 | | -14 | -61 | 1,945,874 | 261,249 |
| Bm | 90 | | 257° 42' 24" | " " | 4.3 | 89° 30' | +0.8 | -3.5 | | 5701.2 | | +7 | -90 | 1,945,885 | 261,220 |
| 349 | 0 | | | | 5.2 | - | - | -5.2 | | 5699.5 | X | 0 | 0 | 1,945,888 | 261,310 |
| 350 | 224 | | 60° 42' | +16.8° | 7.3 | - | - | -7.3 | | 5697.4 | | +48 | +219 | 1,945,936 | 261,529 |
| 351 | 444 | | 59° 26' | " " | 5.0 | 90° 30' | -3.9 | -8.9 | | 5695.8 | | +106 | +431 | 1,945,994 | 261,741 |
| 352 | 664 | | " " | " " | 5.0 | 90° 30' | -5.8 | -10.8 | | 5693.9 | | +158 | +645 | 1,946,046 | 261,955 |
| 353 | 884 | | " " | " " | 5.3 | 90° 30' | -7.7 | -13.0 | | 5691.7 | | +210 | +859 | 1,946,098 | 262,169 |
| 354 | 1104 | | " " | " " | 6.8 | 90° 30' | -9.6 | -16.4 | | 5688.3 | | +263 | +1072 | 1,946,151 | 262,382 |
| 355 | 1324 | | " " | " " | 6.2 | 90° 30' | -11.6 | -17.8 | | 5686.9 | | +315 | +1286 | 1,946,203 | 262,596 |
| 356 | 1544 | | 59° 26' | +16.8° | 9.0 | 90° 20' | -9.0 | -18.0 | | 5686.7 | | +367 | +1500 | 1,946,255 | 262,810 |
| 357 | 1764 | | " " | " " | 8.3 | 90° 20' | -10.3 | -18.6 | | 5686.1 | | +420 | +1713 | 1,946,308 | 263,023 |
| 358 | 1984 | | " " | " " | 10.9 | 90° 20' | -11.5 | -22.4 | | 5682.3 | | +472 | +1927 | 1,946,360 | 263,237 |
| 359 | 2204 | | " " | " " | 11.2 | 90° 20' | -12.8 | -24.0 | | 5680.7 | | +524 | +2141 | 1,946,412 | 263,451 |
| 360 | 2424 | | " " | " " | 7.6 | 90° 30' | -21.2 | -28.8 | | 5675.9 | | +577 | +2354 | 1,946,465 | 263,664 |
| 361 | 2644 | | " " | " " | 8.3 | 90° 30' | -23.1 | -31.4 | | 5673.3 | | +629 | +2568 | 1,946,517 | 263,878 |
| 362 | 2864 | | 59° 31' | " " | 8.7 | 90° 30' | -25.0 | -33.7 | | 5671.0 | | +678 | +2783 | 1,946,566 | 264,093 |

-1,945,810 x = 261,295
 Highway Inter.
 y = 1,945,885 x = 261,220
 U.S.G.S. Bm. Elev. 5701.2
 GWM-12 1937 Horiz y = 21
 ACROSS STATION APP. x = 50

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|---------|--------|-------------|---------|---------|
| 9.22-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 23 | | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | |
| NEVADA | | Horse Creek Valley-15 | | NEV. | | Eureka | | | | | L.O. Davis | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + | EAST + | COORDINATES | | REMARKS |
| | | | | | | | | | | | | SOUTH - | WEST - | Y | X | |
| LAT. | DEP. | Y | X | | | | | | | | | | | | | |
| | | | | | | | | | 5704.7 | | | | | | | |
| 363 | 3083 | | 59° 34' 14" | +16.5° | 11.7 | 90° 20' | -17.9 | -29.6 | | 5675.1 | TP | +742 | +2992 | 1946,632 | 264,304 | |
| 363 | 3083 | | | | 11.8 | 269° 40' | -17.9 | -29.7 | | | TP | +2 | +2 | | | |
| | 2861 | | 240° 07' 39" | +16.5° | 10.5 | TH | -14.3 | -3.8 | | 5671.3 | BS | +662 | +2783 | | | |
| | 2861 | | | | 10.4 | TH 270° | -14.3 | -3.9 | | | BS | +1 | +2 | | | |
| 364 | 2640 | | 240° 09' | " | 10.8 | 89° 40' | +15.4 | +4.6 | | 5675.9 | | -610 | -2569 | 1946,685 | 264,520 | |
| 365 | 2420 | | " " | " | 7.8 | 89° 50' | +7.0 | -0.8 | | 5670.5 | | -559 | -2355 | 1946,736 | 264,734 | |
| 366 | 2200 | | " " | " | 7.1 | - | | -7.1 | | 5664.2 | | -508 | -2141 | 1946,787 | 264,948 | |
| 367 | 1980 | | " " | " | 10.1 | - | | -10.1 | | 5661.2 | | -457 | -1927 | 1946,838 | 265,162 | |
| 368 | 1760 | | 240° 09' | +16.5° | 11.2 | - | | -11.2 | | 5660.1 | | -406 | -1712 | 1946,889 | 265,377 | |
| 369 | 1540 | | " " | " | 12.0 | - | | -12.0 | | 5659.3 | | -356 | -1498 | 1946,939 | 265,591 | |
| 370 | 1320 | | " " | " | 12.4 | - | | -12.4 | | 5658.9 | | -305 | -1284 | 1946,990 | 265,805 | |
| 371 | 1100 | | " " | " | 12.7 | - | | -12.7 | | 5658.6 | | -254 | -1070 | 1947,041 | 266,019 | |
| 372 | 880 | | 240° 09' | +16.5° | 9.7 | 84 | -4.4 | -14.1 | | 5657.2 | | -203 | -856 | 1947,092 | 266,233 | |
| 373 | 660 | | " " | " | 11.1 | 84 | -3.3 | -14.4 | | 5656.9 | | -152 | -642 | 1947,143 | 266,447 | |
| 374 | 440 | | " " | " | 8.3 | - | | -8.3 | | 5663.0 | | -102 | -428 | 1947,193 | 266,661 | |
| 375 | 220 | | " " | " | 5.8 | - | | -5.8 | | 5665.5 | | -51 | -214 | 1947,244 | 266,875 | |
| 376 | 0 | | | | 5.2 | - | | -5.2 | | 5666.1 | X | 0 | 0 | 1947,295 | 267,089 | |
| 377 | 220 | | 60° 03' | +16.5° | 7.4 | - | | -7.4 | | 5663.9 | | +51 | +214 | 1947,346 | 267,303 | |
| 378 | 440 | | " " | " | 11.2 | - | | -11.2 | | 5660.1 | | +102 | +428 | 1947,397 | 267,517 | |
| 379 | 660 | | " " | " | 12.6 | - | | -12.6 | | 5658.7 | | +154 | +642 | 1947,449 | 267,731 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|----------------------------|--------------------------|------------------|
| 9.23.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW LD | | 6 | 24 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | |
| NEV. | | Horse Creek Valley-15 | | NEV. | | EUREKA | | | | | L.O. Davis | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 5671.3 | | | | | |
| 380 | 880 | | 60° 03' | +16.5° | 12.4 | BH | -4.4 | -16.8 | | 5654.5 | | +205 | +856 | 1947,500 267,945 |
| 381 | 1100 | | " " | " " | 10.9 | BH | -5.5 | -16.4 | | 5654.9 | | +256 | +1070 | 1947,551 268,159 |
| 382 | 1320 | | " " | " " | 7.3 | BH | -6.6 | -13.9 | | 5657.4 | | +307 | +1284 | 1947,602 268,373 |
| 383 | 1540 | | " " | " " | 7.7 | BH | -7.7 | -15.4 | | 5655.9 | | +358 | +1498 | 1947,653 268,587 |
| 384 | 1760 | | " " | " " | 8.6 | BH | -8.8 | -17.4 | | 5653.9 | | +409 | +1712 | 1947,704 268,801 |
| 385 | 1980 | | 60° 03' | " " | 8.3 | BH | -9.9 | -18.2 | | 5653.1 | | +461 | +1926 | 1947,756 269,015 |
| 386 | 2200 | | " " | " " | 9.7 | BH | -11.0 | -20.7 | | 5650.6 | | +512 | +2140 | 1947,807 269,229 |
| 387 | 2420 | | " " | " " | 9.1 | BH | -12.1 | -21.2 | | 5650.1 | | +563 | +2354 | 1947,858 269,443 |
| 388 | 2640 | | " " | +16.5° | 5.9 | BH | -13.2 | -19.1 | | 5652.2 | | +614 | +2568 | 1947,909 269,657 |
| 389 | 2861 | | 60° 04' 59" | +16.2° | 9.8 | BH | -14.3 | -24.1 | 240 | 5647.3 | TP | +678 | +2779 | 1947,974 269,870 |
| 389 | 2861 | | | | 9.6 | BH 270° | -14.3 | -23.9 | | | TP | | | |
| | 3519 | | 240° 14' 52" | " " | 7.3 | 89° 40' | -20.5 | -13.2 | | | BS | +825 | +3421 | |
| | 3519 | | | | 7.2 | 270° 20' | -20.5 | -13.3 | 5634.0 | | BS | | | |
| 90 | 3300 | | 240° 16' | " " | 4.7 | 89° 40' | +19.2 | +14.5 | | 5648.5 | | -772 | -3208 | 1948,028 270,085 |
| 71 | 3080 | | " " | " " | 11.9 | 89° 30' | +26.9 | +15.0 | | 5649.0 | | -721 | -2994 | 1948,079 270,299 |
| 72 | 2860 | | " " | " " | 9.7 | 89° 40' | +16.6 | +6.9 | | 5640.9 | | -669 | -2781 | 1948,131 270,512 |
| 3 | 2640 | | " " | " " | 11.9 | 89° 40' | +15.4 | +3.5 | | 5637.5 | | -618 | -2567 | 1948,182 270,726 |
| 4 | 2420 | | " " | " " | 13.2 | 89° 40' | +14.1 | +0.9 | | 5634.9 | | -566 | -2353 | 1948,234 270,940 |
| | 2200 | | " " | " " | 8.2 | 89° 50' | +6.4 | -1.8 | | 5632.2 | | -515 | -2139 | 1948,285 271,154 |
| | 1980 | | " " | +16.2° | 10.8 | 89° 50' | +5.8 | -5.0 | | 5629.0 | | -463 | -1925 | 1948,337 271,368 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|-------------------------|-----------------------|---------------|---------|
| 9-23-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | | 25 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEV. | | Horse Creek Valley-15' | | NEV. | | Eureka | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5634.0 | | | | | | |
| 397 | 1760 | | 240 16 | +16.2° | 10.3 | 89° 50' | +5.1 | -5.2 | | 5628.8 | | -412 | -1711 | 1948,388 | 271,582 |
| 398 | 1540 | | " " | " " | 9.9 | 89° 50' | +4.5 | -5.4 | | 5628.6 | | -360 | -1497 | 1,948,440 | 271,796 |
| 399 | 1320 | | " " | " " | 9.1 | 89° 50' | +3.8 | -5.3 | | 5628.7 | | -309 | -1283 | 1,948,491 | 272,010 |
| 400 | 1100 | | " " | " " | 10.8 | 89° 50' | +3.2 | -7.6 | | 5626.4 | | -257 | -1069 | 1,948,543 | 272,224 |
| 401 | 880 | | 240 16 | " " | 10.3 | 89° 50' | +2.6 | -7.7 | | 5626.3 | | -206 | -856 | 1,948,594 | 272,437 |
| 402 | 660 | | " " | " " | 5.3 | 89° 50' | +1.9 | -3.4 | | 5630.6 | | -154 | -642 | 1,948,646 | 272,651 |
| 403 | 440 | | " " | " " | 5.2 | 89° 50' | +1.3 | -3.9 | | 5630.1 | | -103 | -428 | 1,948,697 | 272,865 |
| 404 | 220 | | " " | " " | 7.1 | 89° 50' | +0.6 | -6.5 | | 5627.5 | | -51 | -214 | 1,948,749 | 273,079 |
| 405 | 0 | | | +16.2° | 5.2 | - | | -5.2 | | 5628.8 | X | 0 | 0 | 1,948,800 | 273,293 |
| 406 | 220 | | 60 15 | " " | 6.1 | - | | -6.1 | | 5627.9 | | +52 | +214 | 1,948,852 | 273,507 |
| 407 | 440 | | " " | " " | 7.3 | - | | -7.3 | | 5626.7 | | +103 | +428 | 1,948,903 | 273,721 |
| 408 | 660 | | " " | " " | 8.6 | - | | -8.6 | | 5625.4 | | +155 | +642 | 1,948,955 | 273,935 |
| 409 | 880 | | " " | " " | 9.2 | 84 | -4.4 | -13.6 | | 5620.4 | | +206 | +856 | 1,949,006 | 274,149 |
| 410 | 1100 | | " " | " " | 10.4 | 90° 30' | -9.6 | -20.0 | | 5614.0 | | +258 | +1069 | 1,949,058 | 274,362 |
| 411 | 1320 | | 60 15 | " " | 6.9 | 90° 30' | -11.5 | -18.4 | | 5615.6 | | +309 | +1283 | 1,949,109 | 274,576 |
| 412 | 1540 | | " " | " " | 9.9 | 90° 30' | -13.4 | -23.3 | | 5610.7 | | +361 | +1497 | 1,949,161 | 274,790 |
| 413 | 1760 | | " " | " " | 10.3 | 90° 30' | -15.4 | -25.7 | | 5608.3 | | +412 | +1711 | 1,949,212 | 275,004 |
| 414 | 1980 | | " " | " " | 11.3 | 90° 30' | -17.3 | -28.6 | | 5605.4 | | +464 | +1925 | 1,949,264 | 275,218 |
| 415 | 2200 | | " " | " " | 11.1 | 90° 30' | -19.2 | -30.3 | | 5603.7 | | +515 | +2139 | 1,949,315 | 275,432 |
| 416 | 2420 | | " " | +16.2° | 7.9 | 90° 30' | -21.1 | -29.0 | | 5605.0 | | +567 | +2353 | 1,949,367 | 275,646 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|---------|--|
| 9-23-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW JW | | 6 | 26 | | | | | | |
| AREA | | TOPO MAP | STATE | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | | | | | |
| NEVADA | | Horse Creek Valley-15' | NEV. | EUREKA | | | | | L.O. Davis | | | | | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | LAT. | DEP. | Y | X | | |
| | | | | | | | | | 5634.0 | | | | | | | | |
| 417 | 2640 | | 60° 15' | +16.2° | 8.6 | 90° 30' | -23.0 | -31.6 | | 5602.4 | | +619 | +2567 | 1,949,419 | 275,860 | | |
| 418 | 2860 | | " " | " " | 12.3 | 90° 30' | -25.0 | -37.3 | | 5596.7 | | +670 | +2780 | 1,949,470 | 276,073 | | |
| 419 | 3080 | | 60° 17' 29" | " " | 10.0 | 90° 30' | -26.9 | -36.9 | | 5592.1 | TP | +719 | +2995 | 1,949,520 | 276,290 | | |
| 419 | 3080 | | " " | " " | 9.9 | 267° 30' | -26.9 | -36.8 | | | TP | " | " | | | | |
| | 2640 | | 240° 44' 42" | " " | 8.0 | 89° 30' | -23.0 | -15.0 | 45.1 | | BS | +596 | +2572 | | | | |
| | 2640 | | " " | " " | 7.8 | 827° 30' | -23.0 | -15.2 | 5582.0 | | BS | " | " | | | | |
| 420 | 2420 | | 240° 50' | " " | 9.0 | 89° 30' | +21.1 | +12.1 | | 5594.1 | | -543 | -2358 | 1,949,574 | 276,506 | | |
| 421 | 2200 | | 240° 53' | " " | 7.1 | 89° 30' | +19.2 | +12.1 | | 5594.1 | | -492 | -2144 | 1,949,625 | 276,720 | | |
| 422 | 1980 | | 240° 56' | " " | 8.2 | 89° 40' | +11.5 | +3.3 | | 5585.3 | | -441 | -1930 | 1,949,676 | 276,934 | | |
| 423 | 1760 | | " " | " " | 11.6 | 89° 40' | +10.2 | -1.4 | | 5580.6 | | -392 | -1716 | 1,949,725 | 277,148 | | |
| 424 | 1540 | | " " | " " | 12.3 | 89° 40' | +9.0 | -3.3 | | 5578.7 | | -343 | -1501 | 1,949,774 | 277,363 | | |
| 425 | 1320 | | " " | " " | 12.4 | 89° 40' | +7.7 | -4.7 | | 5577.3 | | -294 | -1287 | 1,949,823 | 277,577 | | |
| 426 | 1100 | | 240° 56' | " " | 10.1 | 89° 50' | +3.2 | -6.9 | | 5575.1 | | -245 | -1072 | 1,949,872 | 277,792 | | |
| 427 | 880 | | " " | " " | 9.1 | 89° 50' | +2.6 | -6.5 | | 5575.5 | | -196 | -858 | 1,949,921 | 278,006 | | |
| 428 | 660 | | " " | " " | 7.7 | 89° 50' | +1.9 | -5.8 | | 5576.2 | | -147 | -643 | 1,949,970 | 278,221 | | |
| 429 | 440 | | " " | " " | 7.1 | 89° 30' | +3.8 | -3.3 | | 5578.7 | | -98 | -429 | 1,950,019 | 278,435 | | |
| 430 | 220 | | " " | " " | 4.9 | 89° 30' | +1.9 | -3.0 | | 5579.0 | | -49 | -214 | 1,950,068 | 278,650 | | |
| 431 | 0 | | " " | +16.2° | 5.2 | - | - | -5.2 | | 5576.8 | X | 0 | 0 | 1,950,117 | 278,864 | | |
| 432 | 220 | | 61° 18' | " " | 5.9 | 90° 20' | -1.3 | -7.2 | | 5574.8 | | +48 | +215 | 1,950,165 | 279,079 | | |
| 433 | 440 | | " " | " " | 11.4 | 90° 20' | -2.6 | -14.0 | | 5568.0 | | +95 | +430 | 1,950,212 | 279,294 | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|
| 9.23.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | | 27 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEV90A | | Horse Creek Valley-15' | | NEVADA | | EUREKA | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5582.0 | | | | | | |
| 434 | 660 | | 61° 18' | +16.2° | 11.1 | 90° 30' | -5.8 | -16.9 | | 5565.1 | | +143 | +644 | 1950.260 | 279.508 |
| 435 | 886 | | " " | " " | 10.7 | 90° 30' | -7.7 | -18.4 | | 5563.6 | | +190 | +859 | 1950.307 | 279.723 |
| 436 | 1100 | | " " | " " | 7.8 | 90° 30' | -9.6 | -17.4 | | 5564.6 | | +238 | +1074 | 1950.355 | 279.938 |
| 437 | 1320 | | " " | " " | 7.8 | 90° 30' | -11.5 | -19.3 | | 5562.7 | | +286 | +1289 | 1950.403 | 280.153 |
| 438 | 1540 | | " " | " " | 6.3 | 90° 30' | -13.4 | -19.7 | | 5562.3 | | +333 | +1503 | 1950.450 | 280.367 |
| 439 | 1760 | | " " | " " | 10.5 | 90° 10' | -5.1 | -15.6 | | 5566.4 | | +381 | +1718 | 1950.498 | 280.582 |
| 440 | 1980 | | " " | " " | 11.2 | 90° 10' | -5.8 | -17.0 | | 5565.0 | | +429 | +1933 | 1950.546 | 280.797 |
| 441 | 2200 | | " " | " " | 12.1 | 90° 10' | -6.4 | -18.5 | | 5563.5 | | +476 | +2148 | 1950.593 | 281.012 |
| 442 | 2419 | | 60° 50' | " " | 12.1 | 90° 10' | -7.0 | -19.1 | | 5562.9 | | +543 | +2357 | 1950.660 | 281.221 |
| 443 | 2627 | | 59° 11' 02" | " " | 11.6 | 90° 10' | -7.6 | -19.2 | | 5562.8 | TP | +663 | +2547 | 1950.781 | 281.408 |
| 443 | 2627 | | | +16.2° | 11.5 | 269° 50' | -7.6 | -19.1 | | | TP | +1 | +2 | | |
| | 2751 | | 241° 54' 20" | " " | 1.7 | - | | +1.7 | | | BS | +567 | +2692 | | |
| | 2751 | | | " " | 1.6 | 270° | | +1.6 | 5564.4 | | BS | +1 | +2 | | |
| 444 | 2557 | | 244° 11' | " " | 11.5 | 89° 50' | +7.4 | -4.1 | | 5560.3 | | -427 | -2521 | 1950.922 | 281.581 |
| 445 | 2369 | | 246° 50' | " " | 11.6 | 89° 50' | +6.9 | -4.7 | | 5559.7 | | -287 | -2352 | 1951.062 | 281.750 |
| 446 | 2189 | | 249° 58' | " " | 8.9 | - | | -8.9 | | 5555.5 | | -146 | -2184 | 1951.203 | 281.918 |
| 447 | 2013 | | 253° 37' | " " | 7.4 | 90° 10' | -5.9 | -13.3 | | 5551.1 | | -6 | -2013 | 1951.343 | 282.089 |
| 448 | 1846 | | 257° 52' | " " | 7.9 | 90° 10' | -5.4 | -13.3 | | 5551.1 | | +131 | -1841 | 1951.480 | 282.261 |
| 449 | 1683 | | 262° 40' | " " | 8.8 | 90° 10' | -4.9 | -13.7 | | 5550.7 | | +259 | -1663 | 1951.608 | 282.439 |
| #1 | 1394 | | 279° 46' 36" | +16.2° | 11.0 | 90° 10' | -4.1 | -15.1 | | 5549.3 | | +611 | -1253 | 1951.960 | 282.849 |

u-1951.975
x-282.875
T-INTER.

NOTES-HIGH RESOLUTION DATA

Geosource Inc.

| | | | | | |
|---|------------------------------|-----------------------------|------------------------------------|----------------------|-------------------|
| INSTRUMENT MAN <i>B. Cotcamp</i> | ROD MAN <i>D. Wrinkle</i> | PARTY NUMBER <i>6834</i> | NOTES CHECKED BY <i>DW</i> | LINE NO. <i>6</i> | PAGE <i>28</i> |
| TOPO MAP <i>Horse Creek Valley-15'</i> | STATE <i>NEVADA</i> | COUNTY <i>Eureka</i> | TWP | RANGE | PPM |
| | | | PARTY MANAGER <i>L.O. Davis</i> | | |

| STATION | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
|---------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|------------------|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 5564.4 | | | | | |
| 450 | 1499 | | 267° 02' | +16.2° | 9.4 | 90° 10' | -4.4 | -13.8 | | 5550.6 | | +343 | -1459 | 1951.692 282.643 |
| 451 | 1300 | | 270° 56' | " " | 10.5 | 90° 10' | -3.8 | -14.3 | | 5550.1 | | +383 | -1242 | 1951.732 282.860 |
| 452 | 1091 | | 274° 14' | " " | 11.0 | 90° 10' | -3.2 | -14.2 | | 5550.2 | | +381 | -1022 | 1951.730 283.080 |
| 453 | 878 | | 277° 29' | " " | 11.6 | 90° 10' | -2.6 | -14.2 | | 5550.2 | | +353 | -804 | 1951.702 283.298 |
| 454 | 660 | | 279° 39' | " " | 11.7 | 90° 10' | -1.9 | -13.6 | | 5550.8 | | +288 | -594 | 1951.637 283.508 |
| 455 | 440 | | " " | " " | 10.8 | 90° 20' | -2.6 | -13.4 | | 5551.0 | | +192 | -396 | 1951.541 283.706 |
| 456 | 220 | | " " | " " | 6.0 | 90° 20' | -1.3 | -2.3 | | 5557.1 | | +96 | -198 | 1951.445 283.904 |
| 457 | 0 | | | +16.2° | 5.2 | - | | -5.2 | | 5559.2 | X | 0 | 0 | 1951.349 284.102 |
| 458 | 220 | | 99° 28' | " " | 5.2 | 89° - | +3.8 | -1.4 | | 5563.0 | | -95 | +198 | 1951.254 284.300 |
| 459 | 440 | | " " | " " | 5.4 | 89° - | +7.7 | +2.3 | | 5566.7 | | -191 | +397 | 1951.158 284.499 |
| 460 | 660 | | " " | " " | 9.3 | 89° - | +11.5 | +2.2 | | 5566.6 | | -286 | +595 | 1951.063 284.697 |
| 461 | 880 | | " " | " " | 11.9 | 89° - | +15.4 | +3.5 | | 5567.9 | | -381 | +793 | 1950.968 284.895 |
| 462 | 1100 | | 99° 28' | " " | 11.1 | 89° 10' | +16.0 | +4.9 | | 5569.3 | | -476 | +991 | 1950.873 285.093 |
| 463 | 1320 | | " " | " " | 9.4 | 89° 20' | +15.4 | +6.0 | | 5570.4 | | -572 | +1190 | 1950.777 285.292 |
| 464 | 1540 | | " " | " " | 8.7 | 89° 20' | +17.9 | +9.2 | | 5573.6 | | -667 | +1388 | 1950.682 285.490 |
| 465 | 1760 | | " " | " " | 8.7 | 89° 10' | +25.6 | +16.9 | | 5581.3 | | -762 | +1586 | 1950.587 285.688 |
| 466 | 1980 | | " " | " " | 12.2 | 88° 50' | +40.3 | +28.1 | | 5592.5 | | -858 | +1785 | 1950.491 285.887 |
| 467 | 2200 | | " " | " " | 9.0 | 88° 50' | +44.8 | +35.8 | | 5600.2 | | -953 | +1983 | 1950.396 286.085 |
| 468 | 2420 | | 99° 22' | " " | 9.4 | 88° 50' | +49.3 | +39.9 | | 5604.3 | | -1044 | +2183 | 1950.305 286.285 |
| | 2640 | | 99° 10' | " " | 9.6 | 88° 40' | +61.4 | +51.8 | | 5616.2 | | -1131 | +2385 | 1950.218 286.487 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|---------------------------|-------------------------|---|
| 9.23.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 29 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | |
| NEVADA | | Horse Creek Valley-15' | | NEVADA | | Eureka | | | | | L.O. Davis | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
| | | | | | | | | | | | | NORTH+ SOUTH - LAT. | EAST+ WEST - DEP. | |
| | | | | | | | | | 5564.4 | | | | | |
| 470 | 2857 | | 98° 23' | +16.2° | 11.9 | 88° 40' | +66.5 | +54.6 | | 5619.0 | | -1189 | +2598 | 1950,160 286,700 |
| 471 | 3073 | | 97° 35' | " " | 11.2 | 88° 48' | +64.3 | +53.1 | | 5617.5 | | -1239 | +2812 | 1950,110 286,914 |
| 472 | 3289 | | 96° 52' 50" | " " | 12.1 | 88° 44' | +72.7 | +60.6 | | 5625.0 | TP | -1289 | +3025 | 1950,061 287,129 |
| 472 | 3289 | | | " " | 12.1 | 271° 16' | +72.7 | +60.6 | | | TP | +1 | +2 | |
| | 1980 | | 267° 18' 08" | " " | 10.6 | 90° 30' | +17.3 | +27.9 | | | BS | -426 | +1925 | |
| | 1980 | | | " " | 10.5 | 269° 30' | +17.3 | +27.8 | 56528 | | BS | +1 | +2 | |
| 473 | 1766 | | 267° 18' | " " | 11.3 | 90° 20' | -10.2 | -21.5 | | 5631.3 | | +411 | -1711 | 1950,047 287,345 |
| 474 | 1540 | | " " | " " | 10.2 | 90° 20' | -9.0 | -19.2 | | 5633.6 | | +360 | -1497 | 1949,996 287,559 |
| Bm | 1504 | | 268° 57' 47" | " " | 9.3 | 90° 20' | -8.8 | -18.1 | | 5634.7 | Bm | +393 | -1452 | 1950,029 287,604 y=1950,030 x=287,700 U.S.G.S. Elev. 5635.0 Gum-T 1937 |
| 475 | 1320 | | 267° 18' | " " | 8.7 | 90° 30' | -11.5 | -20.2 | | 5632.6 | | +308 | -1284 | 1949,944 287,772 |
| 476 | 1100 | | " " | " " | 7.9 | 90° 30' | -9.6 | -17.5 | | 5635.3 | | +257 | -1070 | 1949,893 287,986 |
| 477 | 880 | | " " | +16.2° | 5.9 | 90° 30' | -7.7 | -13.6 | | 5639.2 | | +205 | -856 | 1949,841 288,200 |
| 478 | 660 | | " " | " " | 5.9 | 90° 30' | -5.8 | -11.7 | | 5641.1 | | +154 | -642 | 1949,790 288,414 |
| 479 | 440 | | " " | " " | 5.0 | 90° 30' | -3.8 | -8.8 | | 5644.0 | | +103 | -428 | 1949,739 288,628 |
| 180 | 220 | | " " | " " | 5.3 | 90° 20' | -1.3 | -6.6 | | 5646.2 | | +51 | -214 | 1949,687 288,842 |
| 81 | 0 | | | " " | 5.2 | - | - | -5.2 | | 5647.6 | X | 0 | 0 | 1949,636 289,056 |
| 82 | 220 | | 86° 57' | " " | 6.4 | 89° 20' | +2.6 | -3.8 | | 5649.0 | | -51 | +214 | 1949,585 289,270 |
| 83 | 440 | | " " | " " | 7.8 | 89° 20' | +5.1 | -2.7 | | 5650.1 | | -100 | +428 | 1949,536 289,484 |
| 84 | 660 | | " " | " " | 6.8 | 89° 20' | +7.7 | +0.9 | | 5653.7 | | -150 | +643 | 1949,486 289,699 |
| 85 | 880 | | " " | +16.2° | 8.0 | 89° 20' | +10.2 | +2.2 | | 5655.0 | | -200 | +857 | 1949,436 289,913 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|------------------------|-----------------------------|---------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 9.23.83 | | B. Cotcamp | | O. W. Wrinkle | | 6834 | | D. W. | | 6 | | 30 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEU. | | Horse Creek Valley-15' | | NEU. | | EUREKA | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5652.8 | | | | | | |
| 486 | 1100 | | 86° 57' | +16.2° | 7.0 | 89° 20' | +12.8 | +5.8 | | 5658.6 | | -250 | +1071 | 1949,386 | 290,127 |
| 487 | 1320 | | " " | " " | 9.8 | 89° 20' | +15.4 | +5.6 | | 5658.4 | | -300 | +1285 | 1949,336 | 290,311 |
| 488 | 1540 | | 87° 13' | " " | 9.8 | 89° 30' | +13.4 | +3.6 | | 5656.4 | | -357 | +1498 | 1949,279 | 290,554 |
| 489 | 1757 | | 88° 17' 52" | +16.4 | 14.2 | 89° 32' | +14.3 | +0.1 | | 5652.9 | TP | -446 | +1699 | 1949,191 | 290,757 |
| 489 | 1757 | | | " " | 14.1 | 270° 28' | +14.3 | +0.2 | | | TP | | | | |
| | 4053 | | 270° 51' 58" | " " | 5.8 | 89° 50' | -11.8 | -6.0 | | | BS | -1203 | +3870 | | |
| | 4053 | | | " " | 5.5 | 270° 16' | -11.8 | -6.3 | | 5646.8 | BS | | | | |
| 490 | 3844 | | 269° 51' | " " | 13.4 | 89° 50' | +11.2 | -2.2 | | 5644.6 | | +1063 | -3694 | 1949,052 | 290,935 |
| 491 | 3652 | | 268° 13' | " " | 5.9 | - | - | -5.9 | | 5640.9 | | +909 | -3537 | 1948,888 | 291,092 |
| 492 | 3471 | | 266° 12' | " " | 6.9 | - | - | -6.9 | | 5639.9 | | +745 | -3390 | 1948,734 | 291,239 |
| 493 | 3279 | | 264° 27' | " " | 12.6 | - | - | -12.6 | | 5634.2 | | +606 | -3223 | 1948,595 | 291,406 |
| 494 | 3063 | | 263° 33' | " " | 12.1 | - | - | -12.1 | | 5634.7 | | +519 | -3019 | 1948,508 | 291,610 |
| 495 | 2845 | | 263° 22' | " " | 10.4 | BH | -14.2 | -24.6 | | 5622.2 | | +473 | -2805 | 1948,462 | 291,824 |
| 496 | 2626 | | 263° 20' | " " | 7.0 | 90° 36' | -27.5 | -34.5 | | 5612.3 | | +435 | -2590 | 1948,424 | 292,039 |
| 497 | 2406 | | 263° 10' | " " | 10.2 | 90° 40' | -28.0 | -38.2 | | 5608.6 | | +392 | -2374 | 1948,381 | 292,255 |
| 498 | 2187 | | 262° 57' | +16.4° | 7.8 | 91° - | -38.2 | -46.0 | | 5600.8 | | +348 | -2159 | 1948,337 | 292,470 |
| 499 | 1967 | | 262° 42' | " " | 9.9 | 91° 10' | -40.0 | -49.9 | | 5696.9 | | +304 | -1943 | 1948,293 | 292,686 |
| 500 | 1748 | | 262° 21' | " " | 7.2 | 91° 30' | -45.7 | -52.9 | | 5593.9 | | +260 | -1729 | 1948,249 | 292,900 |
| 501 | 1528 | | 261° 56' | " " | 12.6 | 91° 30' | -40.0 | -52.6 | | 5594.2 | | +216 | -1513 | 1948,205 | 293,116 |
| 502 | 1309 | | 261° 22' | " " | 12.1 | 91° 40' | -38.1 | -50.2 | | 5596.6 | | +172 | -1298 | 1948,161 | 293,331 |

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE 9.26.83 INSTRUMENT MAN B. Cotcamp ROD MAN D. Winkle PARTY NUMBER 6834 NOTES CHECKED BY D.W. LINE NO. 6 PAGE 31

AREA NEV. TOPO MAP Horse Creek Valley-15 STATE NEV. COUNTY Eureka TWP

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
|-------------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|----------|---------|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5646.8 | | | | | | |
| 503 | 1090 | | 260° 40' | +164° | 12.0 | 91° 52' | -35.5 | -47.5 | 5599.3 | | | +130 | -1082 | 1948.119 | 293.547 |
| 504 | 871 | | 259° 37' | " | 10.0 | 92° 18' | -34.8 | -44.8 | 5602.0 | | | +88 | -867 | 1948.077 | 293.762 |
| 505 | 651 | | 257° 49' | " | 11.3 | 92° 10' | -24.6 | -35.9 | 5610.9 | | | +46 | -649 | 1948.035 | 293.980 |
| 506 | 434 | | 253° 53' | " | 10.0 | 92° 10' | -16.4 | -26.4 | 5620.4 | | | +1 | -434 | 1947.990 | 294.195 |
| 507 | 219 | | 246° 24' | " | 7.7 | 92° 10' | -8.3 | -16.0 | 5630.8 | | | -28 | -217 | 1947.961 | 294.412 |
| 508 | 0 | | | " | 5.2 | - | | -5.2 | 5641.6 | | TP | 0 | 0 | 1947.989 | 294.629 |
| 509 | 220 | | 53° 51' | " | 6.4 | 87° 50' | +8.3 | +1.9 | 5648.7 | | | +75 | +207 | 1948.044 | 294.836 |
| 510 | 439 | | 59° 23' | " | 10.0 | 87° 30' | +19.1 | +9.1 | 5655.9 | | | +109 | +425 | 1948.098 | 295.054 |
| 511 | 650 | | 65° 56' | " | 11.2 | 87° 30' | +28.3 | +17.1 | 5663.9 | | | +89 | +644 | 1948.078 | 295.273 |
| 512 | 861 | | 70° 43' | " | 11.4 | 87° 30' | +32.5 | +26.1 | 5672.9 | | | +46 | +860 | 1948.035 | 295.489 |
| 513 | 1076 | | 73° 52' | " | 10.9 | 87° 30' | +46.9 | +36.0 | 5682.8 | | | -1 | +1076 | 1947.988 | 295.705 |
| 514 | 1291 | | 75° 39' | " | 8.0 | 87° 30' | +56.3 | +48.3 | 5695.1 | | | -42 | +1290 | 1947.947 | 295.919 |
| 515 | 1510 | | 77° 01' | " | 10.1 | 87° 40' | +61.4 | +51.3 | 5698.1 | | | -85 | +1508 | 1947.904 | 296.137 |
| 516 | 1729 | | 77° 58' | " | 17.3 | 87° 30' | +75.3 | +58.0 | 5704.8 | | | -126 | +1724 | 1947.863 | 296.353 |
| 517 | 1947 | | 78° 57' | " | 9.5 | 87° 40' | +79.2 | +69.7 | 5716.5 | | | -175 | +1939 | 1947.814 | 296.568 |
| 518 | 2165 | | 79° 35' | " | 6.9 | 87° 40' | +88.1 | +81.2 | 5728.0 | | | -218 | +2154 | 1947.771 | 296.783 |
| Bm | 2255 | | 78° 19' 35" | " | 11.7 | 87° 34' | +95.7 | +84.0 | 5730.8 | | Bm | -178 | +2248 | 1947.811 | 296.877 |
| ? | 2385 | | 79° 48' 22" | " | 12.7 | 87° 40' | +97.1 | +84.4 | 5731.2 | | TP | -258 | +2369 | 1947.732 | 297.000 |
| | 2385 | | | +16.4° | 12.8 | 272 20 | +97.1 | +84.3 | | | TP | +1 | +2 | | |

2120 5733.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|-------------------------|-----------------------|---------------|---------|-------------------|
| 9.26.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | D.W. | | 6 | | 32 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | | |
| NEVADA | | Horse Creek Valley-15 | | NEV. | | EUREKA | | | | | | | | L.O. Davis | | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y | X |
| | | | | | | | | | 5731.2 | | | | | | | |
| | 1761 | | 259° 08' 23" | +16.4 | 2.6 | - | | +2.6 | | | BS | -170 | +1753 | | | |
| | 1761 | | | | 2.5 | 270- | | +2.5 | 5733.7 | | BS | | | | | |
| 520 | 1540 | | 259° 04' | | 8.4 | 89° 50' | +4.5 | -3.9 | | 5729.8 | | +141 | -1533 | 1947,704 | 297,222 | |
| 521 | 1320 | | " " | | 11.5 | 89° 40' | +7.7 | -3.8 | | 5729.9 | | +121 | -1314 | 1947,684 | 297,441 | |
| 522 | 1100 | | " " | | 9.1 | 89° 40' | +6.4 | -2.7 | | 5731.0 | | +101 | -1095 | 1947,664 | 297,660 | |
| 523 | 880 | | 259° 04' | | 8.9 | 89° 40' | +5.1 | -3.8 | | 5729.9 | | +81 | -876 | 1947,644 | 297,879 | |
| 524 | 660 | | " " | | 10.8 | 89° 40' | +3.8 | -7.0 | | 5726.7 | | +61 | -657 | 1947,624 | 298,098 | |
| 525 | 440 | | " " | | 8.8 | 89° 40' | +2.6 | -6.2 | | 5727.5 | | +40 | -438 | 1947,603 | 298,317 | |
| 526 | 220 | | " " | | 7.0 | 89° 40' | +1.3 | -5.7 | | 5728.0 | | +20 | -219 | 1947,583 | 298,536 | |
| 527 | 0 | | | +16.4 | 5.2 | - | | -5.2 | | 5728.5 | T | 0 | 0 | 1947,563 | 298,755 | |
| 528 | 220 | | 93° 09' | | 6.6 | 91° 40' | -6.4 | -13.0 | | 5720.7 | | -73 | +208 | 1947,490 | 298,963 | |
| 529 | 440 | | 94° 19' | | 9.7 | 92° 20' | -17.9 | -27.6 | | 5706.1 | | -154 | +412 | 1947,409 | 299,167 | |
| 530 | 660 | | 95° 05' | | 8.6 | 92° 20' | -26.8 | -35.4 | | 5698.3 | | -240 | +615 | 1947,323 | 299,370 | |
| 531 | 880 | | 95° 33' | | 9.2 | 92° 20' | -35.8 | -45.0 | | 5688.7 | | -326 | +817 | 1947,237 | 299,572 | |
| 532 | 1100 | | 95° 45' | | 8.9 | 92° 20' | -44.7 | -53.6 | | 5680.1 | | -411 | +1020 | 1947,152 | 299,775 | |
| 533 | 1320 | | 95° 51' | | 9.8 | 92° - | -46.0 | -55.8 | | 5677.9 | | -496 | +1223 | 1947,067 | 299,978 | |
| 534 | 1540 | | 96° 02' | | 10.9 | 91° 20' | -35.8 | -46.7 | | 5687.0 | | -583 | +1426 | 1946,980 | 300,181 | LAST STA. ON ROAD |
| 535 | 1742 | | 94° 46' | | 9.7 | 90° 50' | -25.3 | -35.0 | | 5698.7 | | -623 | +1627 | 1946,940 | 300,382 | OLD seismic trail |
| 536 | 1949 | | 92° 22' | | 12.6 | 90° 20' | -11.3 | -23.9 | | 5709.8 | | -621 | +1848 | 1946,942 | 300,603 | " " |

KEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-----------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 9.26.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | D.W. | | 6 | | 33 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Horse Creek Valley-15 | | NEVADA | | EUREKA | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5733.7 | | | | | | |
| 537 | 2149 | | 96° 08' | | 11.4 | 89° 54' | +3.8 | -7.6 | | 5726.1 | | -604 | +2062 | 1946.959 | 300.817 |
| 538 | 2361 | | 88° 31' | | 11.8 | 89° 50' | +6.9 | -4.9 | | 5728.8 | | -600 | +2284 | 1946.963 | 301.039 |
| 539 | 2571 | | 86° 59' | | 5.3 | - | | -5.3 | | 5728.4 | | -586 | +2503 | 1946.977 | 301.258 |
| 540 | 2783 | | 85° 43' 41" | | 10.5 | - | | -10.5 | | 5723.3 | TP | -585 | +2721 | 1946.979 | 301.478 |
| 540 | 2783 | | | | 10.3 | 270 - | | -10.3 | | | TP | | | | |
| | 1905 | | 249° 25' 06" | | +11.3 | - | | +11.3 | | | BS | +139 | +1900 | | |
| | 1905 | | | | +11.2 | 270 - | | +11.2 | 5734.5 | | BS | +1 | +2 | | |
| 41 | 1684 | | 249° 31' | | 10.8 | - | | -10.8 | | 5723.7 | | -126 | -1679 | 1946.993 | 301.701 |
| 12 | 1465 | | 249° 46' | | 9.8 | BH | -7.3 | -17.1 | | 5717.4 | | -103 | -1461 | 1947.016 | 301.919 |
| 3 | 1246 | | 249° 50' | | 8.7 | BH | -6.2 | -4.9 | | 5719.6 | | -86 | -1243 | 1947.033 | 302.137 |
| | 1027 | | 250° 37' | | 9.1 | 91° 10' | -20.9 | -30.0 | | 5704.5 | | -57 | -1025 | 1947.062 | 302.355 |
| | 808 | | 250° 42' | | 10.8 | 92° - | -28.2 | -39.0 | | 5695.5 | | -44 | -807 | 1947.075 | 302.573 |
| | 588 | | 250° 52' | | 11.0 | 92° 30' | -25.6 | -36.6 | | 5697.9 | | -30 | -587 | 1947.089 | 302.793 |
| | 368 | | " " | | 6.8 | 92° 30' | -16.0 | -22.8 | | 5711.7 | | -19 | -368 | 1947.100 | 303.012 |
| | 148 | | " " | | 6.6 | 92° 30' | -6.4 | -13.0 | | 5721.5 | | -8 | -148 | 1947.111 | 303.232 |
| | 0 | | | | 5.2 | - | | -5.2 | | 5729.3 | TP | 0 | 0 | 1947.119 | 303.380 |
| | 72 | | 68° 49' | | 5.6 | 92° - | -2.5 | -8.1 | | 5726.4 | | +6 | +72 | 1947.125 | 303.452 |
| | 91 | | " " | | 6.9 | 92° - | -10.2 | -17.1 | | 5717.4 | | +25 | +290 | 1947.144 | 303.670 |
| | 0 | | " " | | 7.8 | 92° - | -17.8 | -25.6 | | 5708.9 | | +44 | +508 | 1947.163 | 303.808 |
| | 10 | | " " | | 7.3 | 92° - | -25.5 | -32.8 | | 5701.7 | | +63 | +727 | 1947.182 | 304.107 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | | | | | | | | | |
|------|---------|----------------|-----------------------|---------|-----------|--------------|--------|------------------|------|----------|---|------|---------------|------------|
| DATE | 9.26.83 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | D. Winkle | PARTY NUMBER | 6834 | NOTES CHECKED BY | D.W. | LINE NO. | 6 | PAGE | 34 | |
| AREA | Nevada | TOPO MAP | Horse Creek Valley 15 | STATE | Nevada | COUNTY | Eureka | TWP | | RANGE | | PPM | PARTY MANAGER | L.O. Davis |

| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS |
|-------------|----------------|---------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | |
| | | | | | | | | | 5734.5 | | | | | |
| 553 | 949 | | 68° 42' | +16.4° | 10.1 | 91° 10' | -19.3 | -29.4 | | 5705.1 | | +84 | +945 | 1,947,203 304,325 |
| TP | 1094 | | 69° 01' 05" | " | 14.3 | 90° 40' | -12.7 | -27.0 | | 5707.5 | TP | +87 | +1090 | 1,947,207 304,472 |
| TP | 1094 | | | " | 11.1 | 90° 50' | -15.9 | -27.0 | | | TP | +1 | +2 | |
| | 504 | | 250 17 52" | " | 10.5 | 91° - | +8.8 | +19.3 | | | BS | +29 | +503 | |
| | 504 | | | " | 9.0 | 91° 10' | +10.3 | +19.3 | 5726.8 | | BS | +1 | +2 | |
| 554 | 434 | | 248° 59' | " | 7.5 | 93° - | -22.7 | -30.2 | | 5696.6 | | -36 | -432 | 1,947,201 304,545 |
| 555 | 216 | | 248° 28' | " | 7.1 | 97° - | -26.3 | -33.4 | | 5693.4 | | -20 | -215 | 1,947,217 304,762 |
| 556 | 0 | | | +16.4° | 5.2 | - | - | -5.2 | | 5721.6 | X | 0 | 0 | 1,947,237 304,977 |
| 557 | 220 | | 70° 26' | " | 5.9 | 90° 10' | -0.6 | -6.5 | | 5720.3 | | +13 | +220 | 1,947,250 305,197 |
| 558 | 439 | | 69° 54' | " | 11.6 | 90° 30' | -3.8 | -15.4 | | 5711.4 | | +30 | +438 | 1,947,267 305,415 |
| 559 | 657 | | 70° 40' | " | 12.0 | 90° 48' | -9.2 | -21.2 | | 5705.6 | | +36 | +656 | 1,947,273 305,633 |
| TP | 793 | | 69° 13' 38" | " | 5.2 | 89° 40' | +4.6 | -0.6 | | 5726.2 | TP | +60 | +791 | 1,947,298 305,769 |
| TP | 793 | | | " | 7.5 | 89° 30' | +6.9 | -0.6 | | | TP | +1 | +1 | |
| | 5050 | | 250 41 04" | " | 5.0 | 89° 50' | -14.7 | -9.7 | | | BS | +257 | +5043 | |
| | 5050 | | | " | 4.9 | 270° 10' | -14.7 | -9.8 | 5716.4 | | BS | +1 | | |
| 560 | 4974 | | 250 27' | " | 5.6 | 90° 06' | -8.7 | -14.3 | | 5702.1 | | -291 | -4966 | 1,947,265 305,846 |
| 561 | 4758 | | 250 29' | " | 8.6 | 90° 26' | -36.0 | -44.6 | | 5671.8 | | -275 | -4750 | 1,947,281 306,062 |
| 562 | 4539 | | 250 38' | " | 9.1 | 90° 40' | -52.8 | -61.9 | | 5654.5 | | -251 | -4532 | 1,947,305 306,280 |
| 563 | 4321 | | 250 40' | " | 9.6 | 90° 40' | -50.3 | -59.9 | | 5656.5 | | -236 | -4315 | 1,947,320 306,497 |
| 564 | 4104 | | 250 37' | +16.4° | 5.5 | 91° 06' | -78.8 | -84.3 | | 5632.1 | | -228 | -4098 | 1,947,328 306,714 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|----------------------|--------------------|-----------|---------|
| 9.26.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | D.W. | | 6 | 35 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | |
| NEVADA | | Horse Creek Valley-15' | | NEVADA | | EUREKA | | | | | L.O. Davis | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5716.4 | | | | | | |
| 565 | 3886 | | 250° 45' | +16.4° | 6.3 | 91° 30' | -101.7 | -108.0 | | 5608.4 | | -207 | -3880 | 1,947,349 | 306,932 |
| 566 | 3669 | | 250° 49' | " " | 6.1 | 91° 48' | -115.2 | -121.3 | | 5595.1 | | -191 | -3664 | 1,947,365 | 307,148 |
| 567 | 3450 | | 250° 54' | " " | 8.7 | 92° 04' | -124.3 | -133.0 | | 5583.4 | | -175 | -3446 | 1,947,381 | 307,366 |
| 568 | 3233 | | 250° 57' | " " | 5.2 | 92° 30' | -140.9 | -146.1 | | 5570.3 | | -161 | -3229 | 1,947,395 | 307,583 |
| 569 | 3015 | | 251° 00' | " " | 8.2 | 92° 50' | -148.9 | -157.1 | | 5559.3 | | -147 | -3011 | 1,947,409 | 307,801 |
| 570 | 2795 | | 251° 05' | " " | 8.0 | 93° 06' | -150.9 | -158.9 | | 5557.5 | | -132 | -2792 | 1,947,424 | 308,020 |
| 571 | 2577 | | 250° 58' | " " | 9.0 | 93° 30' | -157.0 | -166.0 | | 5550.4 | | -127 | -2574 | 1,947,429 | 308,238 |
| 572 | 2363 | | 250° 15' | " " | 13.3 | 93° 30' | -144.0 | -157.3 | | 5559.1 | | -146 | -2358 | 1,947,410 | 308,454 |
| 573 | 2143 | | 250° 10' | " " | 8.3 | 94° - | -149.1 | -157.4 | | 5559.0 | | -136 | -2139 | 1,947,420 | 308,673 |
| 574 | 1923 | | 249° 52' | " " | 11.6 | 94° 20' | -144.9 | -156.5 | | 5559.9 | | -132 | -1918 | 1,947,424 | 308,894 |
| 575 | 1705 | | 249° 36' | " " | 7.8 | 95° - | -148.0 | -155.8 | | 5560.6 | | -125 | -1700 | 1,947,431 | 309,112 |
| 76 | 1486 | | 249° 16' | " " | 9.4 | 95° 40' | -146.0 | -155.4 | | 5561.0 | | -117 | -1481 | 1,947,439 | 309,331 |
| 7 | 1267 | | 249° 03' | " " | 6.8 | 96° 40' | -146.1 | -152.9 | | 5563.5 | | -105 | -1263 | 1,947,451 | 309,549 |
| | 1050 | | 249° 48' | " " | 7.0 | 97° 30' | -137.1 | -144.1 | | 5572.3 | | -73 | -1047 | 1,947,483 | 309,765 |
| | 832 | | 250° 43' | " " | 6.2 | 98° 15' | -118.2 | -124.4 | | 5592.0 | | -45 | -831 | 1,947,511 | 309,981 |
| | 614 | | 252° 16' | " " | 9.2 | 98° 50' | -94.3 | -103.5 | | 5612.9 | | -16 | -614 | 1,947,540 | 310,198 |
| | 395 | | " " | " " | 10.0 | 100° 20' | -70.9 | -80.9 | | 5635.5 | | -11 | -395 | 1,947,545 | 310,417 |
| | 175 | | 252° 29' | " " | 11.9 | 101° 40' | -35.4 | -47.3 | | 5669.1 | | -4 | -175 | 1,947,552 | 310,637 |
| | 0 | | | +16.4° | 5.2 | - | | -5.2 | | 5711.2 | A | 0 | 0 | 1,947,556 | 310,812 |
| | 2 | | 71° 32' | +16.4° | 5.3 | 89° - | +0.7 | -4.6 | | 5711.8 | | +2 | +42 | 1,947,558 | 310,854 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|------------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|----------|---------|
| 9-26-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | D.W. | | 6 | 36 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | |
| NEVADA | | Horse Creek Valley-15' | | NEV. | | EUREKA | | | | | L.O. Davis | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5716.4 | | | | | | |
| 584 | 262 | | 67° 18' | +16.4° | 5.4 | 89° - | +4.6 | -0.8 | | 5715.6 | | +30 | +260 | 1947,586 | 311,072 |
| 585 | 480 | | 65° 47' | " " | 5.1 | 89° - | +8.4 | +3.3 | | 5719.7 | | +67 | +475 | 1947,623 | 311,287 |
| 586 | 761 | | 66° 07' | " " | 9.8 | 89° - | +12.2 | +2.4 | | 5718.8 | | +94 | +695 | 1947,650 | 311,507 |
| 587 | 919 | | 66° 16' 47" | " " | 10.0 | 89° - | +16.0 | +6.0 | | 5722.4 | TP | +117 | +911 | 1947,674 | 311,723 |
| 587 | 919 | | | " " | 8.4 | 89° 06' | +14.4 | +6.0 | | | TP | | | | |
| | 3602 | | 189° 15' 17" | " " | 10.8 | 89° 30' | -31.4 | -20.6 | | | BS | +3247 | +1559 | | |
| | 3602 | | | " " | 10.7 | 270° 30' | -31.4 | -20.7 | 5701.7 | | BS | | | | |
| Δ | 0 | | | +16.4° | 5.2 | - | | -5.2 | | 5696.5 | Δ | 0 | 0 | 1950,922 | 313,282 |
| Δ | 3794 | | 18° 34' 10" | +16.4° | 4.0 | - | | -4.0 | | 5697.7 | TP | +3109 | +2174 | 1954,032 | 315,456 |
| Δ | 3794 | | | " " | 3.9 | 270° - | | -3.9 | | | TP | | | | |
| STATION | 587 | | | " " | | | | | | 5722.4 | TP | | | 1947,674 | 311,723 |
| | 1317 | | 249° 38' 47" | +16.4° | 13.6 | 89° 30' | -11.5 | +2.1 | | | BS | +91 | +1314 | | |
| | 1317 | | | " " | 13.6 | 270° 30' | -11.5 | +2.1 | 5724.5 | | BS | " | | | |
| 588 | 1108 | | 249° 39' | " " | 9.7 | 89° 30' | +9.7 | ±0.0 | | 5724.5 | | -76 | -1105 | 1947,690 | 311,932 |
| 589 | 879 | | " " | " " | 5.3 | 89° 30' | +7.7 | +2.4 | | 5726.9 | | -61 | -877 | 1947,705 | 312,160 |
| 590 | 659 | | " " | " " | 6.1 | 89° 30' | +5.8 | -0.3 | | 5724.2 | | -45 | -657 | 1947,721 | 312,380 |
| 591 | 440 | | " " | " " | 6.4 | 89° 30' | +3.8 | -2.6 | | 5721.9 | | -30 | -439 | 1947,736 | 312,598 |
| 592 | 220 | | " " | " " | 6.0 | 89° 30' | +1.9 | -4.1 | | 5720.4 | | -15 | -219 | 1947,751 | 312,818 |
| 593 | 0 | | | +16.4° | 5.2 | - | | -5.2 | | 5719.3 | Δ | 0 | 0 | 1947,766 | 313,037 |
| 594 | 220 | | 69° 42' | " " | 8.1 | 90° 40' | -2.6 | -10.7 | | 5713.8 | | +15 | +219 | 1947,781 | 313,256 |

5-1954,032 x-315,456
U.S.G.S. Δ Elev. 5697.7
ROAD 1936

Y NOTES-HIGH RESOLUTION DATA

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|----------------------|--------------------|---------------|---------|
| 9-29-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | PW | | 6 | | 58 37 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| Nevada | | Mineral Hill - 15 | | NEVADA | | EUREKA | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5724.5 | | | | | | |
| 595 | 440 | | 69° 42' | +16.4° | 10.1 | 90° 40' | -5.1 | -15.2 | | 5709.3 | | +30 | +439 | 1947795 | 313,476 |
| 596 | 660 | | " " | " " | 10.2 | 90° 40' | -7.7 | -17.9 | | 5706.6 | | +45 | +658 | 1947811 | 313,695 |
| 597 | 859 | | " " | " " | 6.1 | 90° 40' | -10.0 | -16.1 | | 5708.4 | | +58 | +857 | 1947824 | 313,894 |
| 598 | 1109 | | " " | " " | 9.9 | 90° 40' | -12.9 | -22.8 | | 5701.7 | | +75 | +1106 | 1947841 | 314,143 |
| 599 | 1318 | | 69° 45' 29" | " " | 8.0 | 90° 40' | -15.3 | -23.3 | | 5701.2 | TP | +88 | +1315 | 1947855 | 314,352 |
| 599 | 1318 | | " " | " " | 11.8 | 90° 30' | -11.5 | -23.3 | | | TP | " | " | | |
| | 2138 | | 249° 33' 47" | " " | 7.6 | - | - | +7.6 | | | BS | +151 | +2133 | | |
| | 2138 | | " " | " " | 7.5 | 270° - | - | +7.5 | 5708.7 | | BS | " | " | | |
| 600 | 1919 | | 249° 29' | +16.4° | 8.2 | 90° 10' | -5.6 | -13.8 | | 5694.9 | | -138 | -1914 | 1947869 | 314,571 |
| 601 | 1699 | | 249° 40' | " " | 6.2 | 90° 10' | -4.9 | -11.1 | | 5697.6 | | -117 | -1695 | 1947890 | 314,790 |
| 602 | 1479 | | 249° 35' | " " | 8.7 | 90° 26' | -8.6 | -17.3 | | 5691.4 | | -104 | -1475 | 1947903 | 315,010 |
| 603 | 1260 | | 249° 27' | " " | 9.8 | 91° - | -22.0 | -31.8 | | 5676.9 | | -91 | -1257 | 1947916 | 315,228 |
| 604 | 1039 | | 249° 55' | " " | 7.1 | 91° 40' | -30.2 | -37.3 | | 5671.4 | | -67 | -1037 | 1947940 | 315,448 |
| 605 | 820 | | 249° 49' | " " | 10.1 | 92° 10' | -31.0 | -41.1 | | 5667.6 | | -54 | -818 | 1947953 | 315,667 |
| 606 | 601 | | 249° 46' | " " | 11.9 | 92° 16' | -23.8 | -35.7 | | 5623.0 | | -41 | -600 | 1947966 | 315,885 |
| 607 | 381 | | 249° 16' | " " | 10.8 | 91° 50' | -12.2 | -23.0 | | 5685.7 | | -29 | -380 | 1947978 | 316,105 |
| 608 | 164 | | 253° 41' | " " | 7.8 | 90° 30' | -1.4 | -9.2 | | 5699.5 | | +0 | -164 | 1948007 | 316,321 |
| X | 0 | | " " | " " | 5.2 | - | - | -5.2 | | 5703.5 | X | 0 | 0 | 1948007 | 316,485 |
| 609 | 56 | | 69° 39' | " " | 7.3 | - | - | -7.3 | | 5701.4 | | +4 | +56 | 1948011 | 316,541 |
| 610 | 275 | | " " | +16.4° | 10.6 | - | - | -10.6 | | 5698.1 | | +19 | +274 | 1948026 | 316,759 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|---------------|---------|
| 9-29-83 | | B. Cotcamp | | D. Winkle | | 6834 | | DW | | 6 | | 38 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Mineral Hill-15 | | NEV. | | Eureka | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5708.7 | | | | | | |
| 611 | 495 | | 69° 39' | +16.4° | 10.7 | 91° 10' | -10.1 | -20.8 | | 5687.9 | | +34 | +494 | 1948,041 | 316,979 |
| 612 | 715 | | " " | " " | 12.1 | 91° 20' | -16.6 | -28.7 | | 5680.0 | | +49 | +713 | 1948,055 | 317,198 |
| 613 | 934 | | 69° 25' | " " | 10.0 | 91° - | -16.3 | -26.3 | | 5682.4 | | +68 | +932 | 1948,075 | 317,417 |
| 614 | 1153 | | 69° 44' | " " | 5.2 | 90° 40' | -13.4 | -18.6 | | 5690.1 | | +78 | +1150 | 1948,085 | 317,635 |
| 615 | 1373 | | " " | " " | 9.6 | - | - | -9.6 | | 5699.1 | | +93 | +1370 | 1948,100 | 317,855 |
| 616 | 1592 | | 69° 17' 41" | " " | 8.2 | 74° - | +8.0 | -0.2 | | 5708.5 | TP | +119 | +1588 | 1948,126 | 318,073 |
| 616 | 1592 | | " " | " " | 4.8 | 89° 50' | +4.6 | -0.2 | | | TP | | | | |
| | 3072 | | 249° 50' 11" | " " | 6.8 | - | - | +6.8 | | | BS | +202 | +3065 | | |
| | 3072 | | " " | " " | 6.7 | 270° - | - | +6.7 | 5715.2 | | BS | | | | |
| 617 | 2852 | | 249° 44' | +16.4° | 8.3 | 90° 10' | -8.3 | -16.6 | | 5698.6 | | -192 | -2846 | 1948,136 | 318,292 |
| 618 | 2632 | | 249° 40' | " " | 11.7 | 90° 10' | -2.7 | -19.4 | | 5695.8 | | -181 | -2626 | 1948,147 | 318,512 |
| 619 | 2414 | | 249° 38' | " " | 9.8 | 90° 30' | -21.1 | -30.9 | | 5684.3 | | -167 | -2408 | 1948,161 | 318,730 |
| 620 | 2193 | | 249° 49' | " " | 9.9 | 90° 50' | -31.9 | -41.8 | | 5673.4 | | -145 | -2188 | 1948,183 | 318,950 |
| 621 | 1975 | | 249° 36' | " " | 9.4 | 91° 10' | -40.2 | -49.6 | | 5665.6 | | -138 | -1970 | 1948,190 | 319,168 |
| 622 | 1755 | | 249° 41' | " " | 12.0 | 91° 20' | -40.8 | -52.8 | | 5662.4 | | -120 | -1751 | 1948,208 | 319,387 |
| 623 | 1536 | | 249° 37' | " " | 11.3 | 91° 20' | -35.7 | -47.0 | | 5668.2 | | -107 | -1532 | 1948,221 | 319,606 |
| 624 | 1316 | | 249° 42' | " " | 6.7 | 91° 20' | -30.6 | -37.3 | | 5677.9 | | -90 | -1313 | 1948,238 | 319,825 |
| 625 | 1097 | | 249° 39' | " " | 12.6 | 91° 30' | -28.7 | -41.3 | | 5673.9 | | -76 | -1094 | 1948,252 | 320,044 |
| 626 | 877 | | 249° 28' | " " | 8.1 | 92° 30' | -38.2 | -46.3 | | 5668.9 | | -63 | -875 | 1948,265 | 320,263 |
| 627 | 657 | | 249° 32' | +16.4° | 12.2 | 92° 40' | -30.5 | -42.7 | | 5672.5 | | -47 | -655 | 1948,281 | 320,483 |

HIGH RESOLUTION DATA

Geosource Inc.

| | | INSTRUMENT MAN B. Cotcamp | | ROD MAN O. Winkle | | PARTY NUMBER 6834 | | NOTES CHECKED BY DW | | | LINE NO. 6 | | PAGE 39 | | | | |
|----------|------------------|-----------------------------------|--------|----------------------|-------------------|----------------------|---------------------------------|-------------------------------|----------------------------|----------|--------------------|-------|------------------|-----------------------------|-------------|--|---------|
| | | TOPO MAP Mineral Hill -15' | | STATE Nevada | | COUNTY Eureka | | TWP | | RANGE | | PPM | | PARTY MANAGER L.O. Davis | | | |
| E CE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFER- ENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | NORTH + SOUTH - | | EAST + WEST - | | COORDINATES | | REMARKS |
| | | | | | | | | | | | LAT. | DEP. | Y | X | | | |
| | | | | | | | | 5715.2 | | | | | | | | | |
| 17 | | 249° 30' | +16.4° | 11.9 | 92° 50' | -21.6 | -33.5 | | 5681.7 | | -31 | -436 | 1,948,297 | 320,702 | | | |
| 20 | | 251° 43' | " | 7.2 | 91° 30' | -5.8 | -13.0 | | 5702.2 | | -7 | -220 | 1,948,321 | 320,918 | | | |
| 0 | | | " | 5.2 | - | | -5.2 | | 5710.0 | TP | 0 | 0 | 1,948,329 | 321,138 | | | |
| 220 | | 69° 41' | " | 4.0 | 89° 30' | +1.9 | -2.1 | | 5713.1 | | +15 | +219 | 1,948,343 | 321,357 | | | |
| 440 | | " " | " | 4.0 | 89° 30' | +3.8 | -0.2 | | 5715.0 | | +30 | +439 | 1,948,358 | 321,577 | | | |
| 660 | | " " | " | 6.4 | 89° 30' | +5.8 | -0.6 | | 5714.6 | | +45 | +658 | 1,948,373 | 321,796 | | | |
| H 880 | | 69° 41' | " | 8.5 | 89° 30' | +7.7 | -0.8 | | 5714.4 | | +60 | +878 | 1,948,388 | 322,016 | | | |
| 35 1100 | | " " | " | 11.9 | 89° 52' | +2.6 | -9.3 | | 5705.9 | | +75 | +1097 | 1,948,403 | 322,235 | | | |
| 636 1320 | | " " | " | 25.0 | 89° 50' | +3.8 | -21.2 | | 5694.0 | | +90 | +1317 | 1,948,418 | 322,455 | | | |
| 637 1540 | | 69° 32' | " | 9.8 | 89° 40' | +9.0 | -0.8 | | 5714.4 | | +109 | +1536 | 1,948,437 | 322,674 | | | |
| 638 1760 | | 69° 41' | " | 8.3 | 89° 40' | +10.2 | +1.9 | | 5717.1 | | +120 | +1756 | 1,948,448 | 322,894 | | | |
| 639 1980 | | " " | " | 10.0 | 89° 40' | +11.5 | +1.5 | | 5716.7 | | +135 | +1975 | 1,948,463 | 323,113 | | | |
| 640 2200 | | " " | " | 11.1 | 89° 40' | +12.8 | +1.7 | | 5716.9 | | +150 | +2195 | 1,948,478 | 323,333 | | | |
| 641 2418 | | 69° 41' 58" | +16.4° | 11.8 | 89° 40' | +14.1 | +2.3 | | 5717.5 | TP | +164 | +2412 | 1,948,492 | 323,550 | | | |
| 641 2418 | | | " | 11.7 | 220° 20' | +14.1 | +2.4 | | | TP | | | | | | | |
| 1098 | | 249° 30' 30" | " | 7.9 | - | | +7.9 | | | BS | +78 | +1095 | | | | | |
| 1098 | | | " | 4.7 | 90° 10' | +3.2 | +2.9 | 5725.4 | | BS | | | | | | | |
| 642 880 | | 249° 36' | " | 9.8 | 90° 50' | -12.8 | -22.6 | | 5702.8 | | -61 | -878 | 1,948,509 | 323,767 | | | |
| 643 660 | | 249° 40' | " | 10.0 | 90° 50' | -9.6 | -19.6 | | 5705.8 | | -45 | -658 | 1,948,525 | 323,987 | | | |
| 644 440 | | " " | +16.4° | 8.9 | 90° 20' | -2.6 | -11.5 | | 5713.9 | | -30 | -439 | 1,948,540 | 324,206 | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|---------------------------|-------------------------|---------------|---------|
| 9-29-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | | 40 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Mineral Hill -15' | | NEVADA | | Eureka | | | | | | | | L.O. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOT DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH+ SOUTH - LAT. | EAST+ WEST - DEP. | | Y |
| | | | | | | | | | 5725.4 | | | | | | |
| 645 | 220 | | 249° 40' | +16.4° | 9.2 | 90° 20' | -1.3 | -10.5 | | 5714.9 | | -15 | -219 | 1948,555 | 324,426 |
| 646 | 0 | | | | 5.2 | - | | -5.2 | | 5720.2 | X | 0 | 0 | 1948,570 | 24,645 |
| 647 | 220 | | 69° 44' | | 5.9 | 89° 40' | +1.3 | -4.6 | | 5720.8 | | +15 | +220 | 1,948,585 | 324,865 |
| 648 | 440 | | " " | | 6.2 | 89° 40' | +2.6 | -3.6 | | 5721.8 | | +30 | +439 | 1,948,600 | 325,084 |
| 649 | 660 | | " " | | 7.6 | 89° 40' | +3.8 | -3.8 | | 5721.6 | | +45 | +659 | 1,948,615 | 325,304 |
| 650 | 879 | | 69° 05' 21" | | 9.8 | 89° 40' | +5.1 | -4.7 | | 5720.7 | TP | +69 | +876 | 1,948,639 | 325,521 |
| 650 | 879 | | | | 7.2 | 89° 50' | +2.6 | -4.6 | | | TP | | | | |
| | 309 | | 250° 38' 20" | | 5.2 | 88° | -10.8 | -5.6 | | | BS | +16 | +308 | | |
| | 309 | | | | 4.3 | 88° 10' | -9.9 | -5.6 | 5715.1 | | BS | | | | |
| 651 | 91 | | 252° 10' | | 5.1 | 88° | +3.2 | -1.9 | | 5713.2 | | -2 | -91 | 1,948,652 | 325,738 |
| X | 0 | | | | 5.2 | - | | -5.2 | | 5709.9 | X | 0 | 0 | 1,948,655 | 325,829 |
| 652 | 128 | | 71° 05' | | 9.5 | 95° 50' | -12.9 | -22.4 | | 5692.7 | | +6 | +128 | 1,948,664 | 325,957 |
| 653 | 348 | | 71° 47' | | 9.8 | 94° 30' | -27.2 | -37.0 | | 5678.1 | | +11 | +348 | 1,948,666 | 326,177 |
| 654 | 566 | | 72° 19' | | 9.1 | 92° 50' | -27.9 | -37.0 | | 5678.1 | | +13 | +566 | 1,948,668 | 326,395 |
| 655 | 784 | | 71° 45' | +16.4° | 9.8 | 91° | -13.7 | -23.5 | | 5691.6 | | +25 | +784 | 1,948,680 | 326,613 |
| 656 | 998 | | 73° 11' | | 6.9 | 90° 10' | -2.9 | -9.8 | | 5705.3 | | +7 | +998 | 1,948,662 | 326,827 |
| 657 | 1213 | | 71° 14' 24" | | 14.0 | 90° 10' | -3.5 | -17.5 | | 5697.6 | TP | +50 | +1212 | 1,948,705 | 327,041 |
| 657 | 1213 | | | | 10.4 | 90° 20' | -7.1 | -17.5 | | | TP | | | | |
| | 1257 | | 248° 34' 46" | | 9.2 | 89° | -21.9 | -12.7 | | | BS | +110 | +1252 | | |
| | 1257 | | | +16.4° | 5.5 | 89° 10' | -18.3 | -12.8 | 5684.8 | | BS | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-----------|---------|
| 9-29-83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DLW | | 6 | 41 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | |
| NEVADA | | Mineral Hill-15' | | NEVADA | | EUREKA | | | | | L.O. Davis | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5684.8 | | | | | | |
| 658 | 1043 | | 248° 19' | +16.4° | 9.1 | 91° 10' | -21.2 | -30.3 | | 5654.5 | | -96 | -1039 | 1948,719 | 327,254 |
| 659 | 827 | | 248° 22' | " | 12.8 | 92° 10' | -31.2 | -44.0 | | 5640.8 | | -75 | -824 | 1,948,740 | 327,469 |
| 660 | 609 | | 248° 36' | " | 10.8 | 92° 30' | -26.5 | -37.3 | | 5647.5 | | -53 | -607 | 1,948,762 | 327,686 |
| 661 | 389 | | 249° 18' | " | 8.8 | 92° 40' | -18.1 | -26.9 | | 5657.9 | | -29 | -388 | 1,948,786 | 327,905 |
| 662 | 170 | | 248° 55' | " | 8.2 | 91° 40' | -4.9 | -13.1 | | 5671.7 | | -14 | -169 | 1,948,801 | 328,124 |
| TP | 0 | | | +16.4° | 5.2 | - | | -5.2 | | 5679.6 | TP | 0 | 0 | 1,948,815 | 328,293 |
| 663 | 50 | | 70° 26' | " | 8.1 | 91° 40' | -1.5 | -9.6 | | 5675.2 | | +3 | +50 | 1,948,818 | 328,343 |
| 664 | 270 | | 70° 18' | " | 7.8 | 93° 40' | -17.2 | -25.0 | | 5659.8 | | +16 | +270 | 1,948,830 | 328,563 |
| 665 | 488 | | 70° 16' | " | 8.4 | 91° 50' | -15.6 | -24.0 | | 5660.8 | | +28 | +487 | 1,948,842 | 328,780 |
| 666 | 767 | | 69° 52' | " | 10.0 | - | | -10.0 | | 5674.8 | | +46 | +706 | 1,948,861 | 328,999 |
| 667 | 922 | | 72° 14' | " | 11.2 | 89° 10' | +13.4 | +2.2 | | 5687.0 | | +22 | +922 | 1,948,887 | 329,215 |
| 668 | 1139 | | 71° 18' | " | 7.7 | 88° 16' | +36.4 | +28.7 | | 5713.5 | | +46 | +1138 | 1,948,861 | 329,431 |
| 669 | 1351 | | 71° 07' 22" | " | 14.8 | 88° 06' | +44.8 | +30.0 | | 5714.8 | TP | +58 | +1349 | 1,948,872 | 329,642 |
| 669 | 1351 | | | " | 14.7 | 271° 54' | +44.8 | +30.1 | | | TP | | | | |
| | 219 | | 248° 19' 48" | " | 2.1 | - | | +2.1 | | | BS | +20 | +218 | | |
| | 219 | | | " | 3.2 | TH | -1.1 | +2.1 | 5716.9 | | BS | | | | |
| 670 | 0 | | | +16.4° | 5.2 | - | | -5.2 | | 5711.7 | TP | 0 | 0 | 1,948,892 | 329,860 |
| 671 | 220 | | 71° 43' | " | 6.5 | - | | -6.5 | | 5710.4 | | +7 | +220 | 1,948,900 | 330,080 |
| TP | 395 | | 73° 55' 05" | " | 4.9 | 89° 20' | +4.6 | -0.3 | | | TP | -2 | +395 | 1,948,891 | 330,255 |
| TP | 395 | | | " | 6.1 | 89° 10' | +5.7 | -0.4 | | 5716.5 | TP | | | | |

Highway 2186 →

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| | | | | | | |
|-----------------|------------------------------|-----------------------|----------------------|-----------------------------|---------------|------------|
| DATE 10.4.83 | INSTRUMENT MAN B. Cotcamp | ROD MAN D. Wrinkle | PARTY NUMBER 6834 | NOTES CHECKED BY DW | LINE NO. 6 | PAGE 42 |
| AREA Nevada | TOPO MAP Mineral Hill-15 | STATE NEVADA | COUNTY EUREKA | TWP | RANGE | PPM |
| | | | | PARTY MANAGER L.O. Davis | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|
| | | | | | | | | | | | | | | Y | X | |
| | | | | | | | | | | 5716.5 | | | | | | |
| | 206 | | 218° 22' 10" | +16.40 | 2.7 | 94° - | +14.4 | +17.1 | | | BS | +119 | +168 | | | |
| | 206 | | | 1-4 | 2.1 | 94° 10' | +15.0 | +17.1 | 5733.6 | | BS | | | | | |
| 672 | 169 | | 217° 23' | | 2.8 | 94° 10' | -12.2 | -15.0 | | 5718.6 | | -100 | -136 | 1948910 | 330,287 | |
| | 0 | | | +16.40 | 5.2 | - | | -5.2 | | 5728.4 | X | 0 | 0 | 1949010 | 330,423 | |
| 673 | 55 | | 87° 07' | | 4.5 | 94° 20' | -4.1 | -8.6 | | 5725.0 | | -13 | +53 | 1948997 | 330,476 | |
| 674 | 279 | | 80° 00' 05" | | 6.2 | 93° 30' | -17.0 | -23.2 | | 5710.4 | TP | -31 | +277 | 1948979 | 330,200 | |
| 674 | 279 | | | | 7.0 | 93° 20' | -16.2 | -23.2 | | | TP | | | | | |
| | 1092 | | 251° 35' 36" | | 3.3 | - | | +3.3 | | | BS | +38 | +1091 | | | |
| | 1092 | | | | 6.4 | 89° 50' | -3.2 | +3.2 | 5713.6 | | BS | | | | | |
| 675 | 878 | | 250° 08' | | 9.9 | - | | -9.9 | | 5703.7 | | -53 | -876 | 1948964 | 330,915 | |
| 676 | 660 | | 250° 00' | | 10.7 | - | | -10.7 | | 5702.9 | | -41 | -659 | 1948976 | 331,132 | |
| 677 | 440 | | 250° 36' | | 11.3 | BM | -2.2 | -13.5 | | 5700.1 | | -23 | -439 | 1948994 | 331,352 | |
| 678 | 220 | | 251° 30' | | 11.3 | - | | -11.3 | | 5702.3 | | -8 | -220 | 1949009 | 331,571 | |
| 679 | 0 | | | +16.40 | 5.2 | - | | -5.2 | | 5708.4 | X | 0 | 0 | 1949017 | 331,291 | |
| 680 | 220 | | 68° 04' | | 8.1 | 87° 10' | +10.9 | +2.8 | | 5716.4 | | +21 | +219 | 1949038 | 333,010 | |
| 681 | 439 | | 66° 44' | | 10.3 | 87° 10' | +21.7 | +11.4 | | 5725.0 | | +52 | +436 | 1949069 | 332,227 | |
| 682 | 657 | | 67° 21' | | 11.1 | 87° 10' | +32.4 | +21.3 | | 5734.9 | | +72 | +653 | 1949089 | 332,444 | |
| 683 | 876 | | 67° 26' | | 4.2 | 87° - | +45.8 | +41.6 | | 5755.2 | | +94 | +871 | 1949114 | 332,662 | |
| 684 | 1089 | | 67° 13' | | 5.3 | 85° - | +94.5 | +89.2 | | 5802.8 | | +121 | +1082 | 1949138 | 332,873 | |
| 685 | 1304 | | 68° 50' | | 12.1 | 85° - | +113.2 | +101.1 | | 5814.7 | | +108 | +1299 | 1949125 | 333,094 | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | PAGE | | | | |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|----------|---------|
| 10.4.83 | | B. Cotcamp | | D. Wrinkle | | 6834 | | DW | | 6 | 43 | | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | RANGE | PPM | PARTY MANAGER | | | | |
| Nevada | | Mineral Hill - 15 | | NEV. | | EUREKA | | | | | L. O. Davis | | | | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5713.6 | | | | | | |
| 686 | 1523 | | 68° 51' | +16.4 | 9.0 | 85° - | +132.2 | +123.2 | | 5836.8 | | +126 | +1518 | 1949,142 | 333,309 |
| 687 | 1742 | | 69° 03 11" | " | 13.0 | 85° - | +151.8 | +138.8 | | 5852.4 | TP | +138 | +1730 | 1949,158 | 333,521 |
| 687 | 1742 | | | " | 12.9 | 275° - | +151.8 | +138.9 | | | TP | | | | |
| | 1098 | | 249° 46 28" | " | 11.4 | 91° - | +19.2 | +30.6 | | | BS | +73 | +1095 | | |
| | 1098 | | | " | 8.2 | 91° 10' | +22.4 | +30.6 | 5883.0 | | BS | | | | |
| 688 | 880 | | 249° 58' | " | 11.1 | 90° 50' | -12.8 | -23.9 | | 5859.1 | | -56 | -878 | 1949,172 | 333,238 |
| 689 | 660 | | " " | " | 7.9 | 90° 50' | -9.6 | -17.5 | | 5865.5 | | -42 | -659 | 1949,186 | 333,957 |
| 690 | 440 | | " " | " | 8.2 | 90° 30' | -3.8 | -12.0 | | 5871.0 | | -28 | -439 | 1949,200 | 334,177 |
| 691 | 220 | | " " | " | 6.4 | 90° 30' | -1.9 | -8.3 | | 5874.7 | | -14 | -220 | 1949,214 | 334,396 |
| 692 | 0 | | | +16.4 | 5.2 | - | | -5.2 | | 5877.8 | X | 0 | 0 | 1949,228 | 334,616 |
| 693 | 220 | | 70° 00' | " | 6.3 | 89° - | +3.8 | -2.5 | | 5880.5 | | +14 | +220 | 1949,242 | 334,836 |
| 694 | 440 | | " " | " | 5.0 | 89° - | +2.7 | +2.7 | | 5885.7 | | +28 | +439 | 1949,256 | 335,055 |
| 695 | 660 | | " " | " | 6.2 | 89° - | +11.5 | +5.3 | | 5888.3 | | +41 | +659 | 1949,269 | 335,275 |
| 696 | 880 | | 70° 00' | " | 6.8 | 89° - | +15.4 | +8.6 | | 5891.6 | | +55 | +878 | 1949,283 | 335,494 |
| 697 | 1100 | | " " | " | 7.3 | 89° - | +19.2 | +11.9 | | 5894.9 | | +69 | +1098 | 1949,297 | 335,714 |
| 698 | 1320 | | " " | " | 10.8 | 89° - | +23.0 | +12.2 | | 5895.2 | | +83 | +1317 | 1949,311 | 335,933 |
| 699 | 1538 | | 70° 02 04" | " | 11.6 | 89° - | +26.8 | +15.2 | | 5898.2 | TP | +96 | +1535 | 1949,324 | 336,151 |
| 699 | 1538 | | | " | 11.5 | 271° - | +26.8 | +15.3 | | | TP | | | | |
| | 1316 | | 249° 45 47" | " | 7.6 | 91° - | +23.0 | +30.6 | | | BS | +88 | +1313 | | |
| | 1316 | | | +16.4 | 11.4 | 90° 50' | +19.1 | +30.5 | 5928.7 | | BS | | | | |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE | | INSTRUMENT MAN | | ROD MAN | | PARTY NUMBER | | NOTES CHECKED BY | | LINE NO. | | PAGE | | | |
|----------------|----------------|--------------------|-----------------------------|-----------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------------|----------------------|--------------------|---------------|--------|
| 10.4.83 | | B. Cotcamp | | D. Winkle | | 6834 | | DW | | 76 | | 44 | | | |
| AREA | | TOPO MAP | | STATE | | COUNTY | | TWP | | RANGE | | PPM | | PARTY MANAGER | |
| NEVADA | | Mineral Hill - 15' | | NEV. | | LINCOLN Elko | | | | | | | | L. J. Davis | |
| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS & TP | COORDINATES | | REMARKS | |
| | | | | | | | | | | | | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | | Y |
| | | | | | | | | | 5928.7 | | | | | | |
| 700 | 1696 | | 249° 46' | +16.4° | 8.2 | 91° - | -19.1 | -27.3 | | 5901.4 | | -73 | -1094 | 1949339 | 336370 |
| 701 | 876 | | " " | " " | 8.9 | 91° 20' | -20.4 | -29.3 | | 5899.4 | | -59 | -874 | 1949353 | 336590 |
| 702 | 656 | | " " | " " | 10.8 | 91° 20' | -15.3 | -26.1 | | 5902.6 | | -44 | -655 | 1949368 | 336809 |
| 703 | 436 | | " " | " " | 6.3 | 93° 10' | -24.0 | -30.3 | | 5898.4 | | -29 | -435 | 1949382 | 337029 |
| 704 | 218 | | " " | " " | 15.0 | 95° 34' | -21.0 | -36.0 | | 5892.7 | | -15 | -218 | 1949397 | 337246 |
| 705 | 0 | | | +16.4° | 5.2 | - | | -5.2 | | 5923.5 | TP | 0 | 0 | 1949412 | 337464 |
| Section Corner | 1903 | | 135° 08' 36" | " " | 6.1 | 88° | +66.4 | +60.3 | | 5989.0 | SEC. CORNER | -1672 | +906 | 1949740 | 338370 |
| 706 | 220 | | 69° 42' | " " | 4.1 | 88° - | +7.7 | +3.6 | | 5932.3 | | +15 | +219 | 1949427 | 337683 |
| 707 | 440 | | " " | " " | 5.2 | 88° - | +15.3 | +10.1 | | 5938.8 | | +30 | +439 | 1949442 | 337903 |
| 708 | 660 | | " " | " " | 6.8 | 88° - | +23.0 | +16.2 | | 5944.9 | | +45 | +658 | 1949457 | 338122 |
| 709 | 880 | | " " | " " | 9.1 | 88° - | +30.7 | +21.6 | | 5950.3 | | +60 | +878 | 1949472 | 338342 |
| 710 | 1101 | | 69° 37' 52" | " " | 13.8 | 88° - | +38.4 | +24.6 | | 5953.3 | TP | +76 | +1098 | 1949488 | 338562 |
| 710 | 1101 | | " " | " " | 10.6 | 88° 10' | +35.2 | +24.6 | | | TP | | | | |
| | 1317 | | 249° 50' 55" | " " | 10.9 | 91° 40' | +38.3 | +49.2 | 6002.5 | | BS | +86 | +1314 | | |
| | 1317 | | " " | " " | 7.1 | 91° 50' | +42.1 | +49.2 | | | BS | | | | |
| 711 | 1100 | | 249° 48' | " " | 10.6 | 92° - | -38.4 | -49.0 | | 5953.5 | | -73 | -1098 | 1949501 | 338778 |
| 712 | 880 | | " " | +16.4° | 5.9 | 92° - | -30.7 | -36.6 | | 5965.9 | | -58 | -878 | 1949516 | 338998 |
| 713 | 660 | | " " | " " | 12.1 | 92° 30' | -28.8 | -40.9 | | 5961.6 | | -44 | -659 | 1949530 | 339217 |
| 714 | 440 | | 248° 57' | " " | 13.2 | 92° 30' | -19.2 | -32.4 | | 5970.1 | | -36 | -439 | 1949538 | 339437 |
| 715 | 220 | | 245° 49' | " " | 7.3 | 93° 40' | -14.0 | -21.3 | | 5981.2 | | -30 | -218 | 1949544 | 339658 |

SEC. CORNER -1672 +906
 v. S. 6. 05. 29 Elev. 5988.0
 30

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

PAGE 45 of 45

| | | | | | | |
|-----------------|------------------------------|-----------------------|----------------------|-----------------------------|---------------|------------|
| DATE 10.4.83 | INSTRUMENT MAN B. Cotcamp | ROD MAN D. Wrinkle | PARTY NUMBER 6834 | NOTES CHECKED BY DW | LINE NO. 6 | PAGE 45 |
| AREA NEVADA | TOPO MAP Mineral Hill-15 | STATE NEVADA | COUNTY Eureka | TWP | RANGE | PPM |
| | | | | PARTY MANAGER L.O. Davis | | |

| STATION NO. | SLOPE DISTANCE | PLOTTING DISTANCE | AZIMUTH FROM MAGNETIC NORTH | DEC | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS X TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES | | REMARKS |
|-------------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------|-----------------|---------------|-------------|--------|----------------|
| | | | | | | | | | | | | LAT. | DEP. | Y | X | |
| | | | | | | | | | 6002.5 | | | | | | | |
| 716 | 0 | | | +164° | 5.2 | - | | -5.2 | | 5997.3 | K | 0 | 0 | 1949574 | 339876 | |
| 717 | 220 | | 69° 46' | " " | 6.3 | 87- | +11.5 | -5.2 | | 5997.3 | | +15 | +220 | 1949589 | 340096 | |
| 718 | 440 | | " " | " " | 7.9 | 87- | +23.0 | +15.1 | | 6017.6 | | +29 | +439 | 1949603 | 340315 | |
| 719 | 660 | | " " | " " | 8.2 | 87- | +34.5 | +26.3 | | 6028.8 | | +44 | +659 | 1949618 | 340535 | |
| 720 | 879 | | 76° 17' 29" | " " | 11.1 | 87- | +46.0 | +34.9 | | | TP | +51 | +878 | 1949625 | 340754 | E.O.L. Line #6 |
| 720 | 879 | | | +16.4° | 8.6 | 87 10 | +43.4 | +34.8 | | 6037.3 | TP | | | | | |