

|                 |                              |                        |                       |                               |              |           |
|-----------------|------------------------------|------------------------|-----------------------|-------------------------------|--------------|-----------|
| DATE<br>2-17-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834  | NOTES CHECKED BY<br>B.S       | LINE NO<br>4 | PAGE<br>1 |
| AREA<br>ARIZONA | TOPO MAP<br>ALAMO LAKE -15'  | STATE<br>AZ.           | COUNTY<br>YUMA LA PAZ | TWP                           | RANGE        | PPM       |
|                 |                              |                        |                       | PARTY MANAGER<br>J. M. CULLAN |              |           |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS   |
|-------------|----------------|-------------------|-----------------------------|------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---|
|             |                |                   |                             |            |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |   |
| K. T.       | Intersect      | Elev. 882.0       | Scale 90                    | -1,164.775 | x-518.085   |                |                 |                         |                         | 882.0                |               |                 |       |               |         |             |  | ARIZONA WEST System<br>y -1,164.775 x -518.085<br>HT - Elev. EL 882.0 |
|             | 3447           |                   | 77 28 02                    | +13.0      | 7.9         | 96 30          | +30.1           | +38.0                   | +379.5<br>919.8         |                      | BS            | +28             | -3447 |               |         |             |  |   |
|             | 3447           |                   |                             |            | +7.6        | 269 30         | +30.1           | +37.7                   |                         |                      | BS            |                 |       |               |         |             |  |   |
| 1           | 1343           |                   | 76 50                       | -          | 6.4         | 91 30          | -35.2           | -41.6                   |                         | 878.2                |               | +4              | +1343 | 1,164.807     | 515.981 |             |  |   |
| 2           | 1014           | 1013.4            | -                           | -          | 6.2         | 92 -           | -35.4           | -41.6                   |                         | 878.2                |               | +3              | +1013 | 1,164.806     | 515.651 |             |  |   |
| 3           | 685            | 684.3             | 76 26                       | -          | 5.9         | 92 38          | -31.5           | -37.4                   |                         | 882.4                |               | +7              | +684  | 1,164.810     | 515.322 |             |  |   |
| 4           | 368            | 366.8             | 67 20                       | -          | 4.3         | 94 40          | -27.9           | -34.2                   |                         | 885.6                |               | +62             | +362  | 1,164.865     | 515.000 |             |  |   |
| 5           | 134            | 132.9             | 4 22                        | -          | 10.5        | 97 22          | -17.2           | -27.7                   |                         | 892.1                |               | +127            | +40   | 1,164.930     | 514.678 |             |  |   |
| T           | 0              |                   |                             |            | 5.1         | -              | -               | -5.1                    |                         | 914.7                | T             | 0               | 0     | 1,164.803     | 514.638 |             |  |   |
| 6           | 336            | 335.1             | 287 10                      | +13.0      | 6.5         | 94 10          | -24.4           | -30.9                   |                         | 888.9                |               | +168            | -290  | 1,164.971     | 514.348 |             |  |   |
| 7           | 648            |                   | 274 45                      | -          | 4.2         | 92 10          | -24.5           | -28.9                   |                         | 891.1                |               | +198            | -617  | 1,165.001     | 514.021 |             |  |   |
| 8           | 975            |                   | 271 30                      | -          | 4.3         | 91 10          | -19.9           | -24.2                   |                         | 895.6                |               | +244            | -944  | 1,165.047     | 513.694 |             |  |   |
| TP          | 1148           |                   | 268 46 10                   | -          | 8.3         | 96 40          | -13.4           | -21.7                   |                         | 898.1                | TP            | +234            | -1124 | 1,165.037     | 513.514 |             |  |   |
| TP          | 1148           |                   |                             |            | 8.2         | 269 20         | -13.4           | -21.6                   |                         |                      | TP            |                 |       |               |         |             |  |   |
|             | 2598           | 2595.5            | 54 54 37                    | +13.0      | 5.4         | 92 30          | +113.3          | +118.7                  | +118.5<br>1016.6        |                      | BS            | -976            | -2405 |               |         |             |  |   |
|             | 2598           |                   |                             |            | +5.1        | 267 30         | +113.3          | +118.4                  |                         |                      |               | BS              |       |               |         |             |  |   |
| 9           | 2441           | 2438.5            | 54 45                       | -          | 6.3         | 92 36          | -110.7          | -117.0                  |                         | 899.6                |               | +923            | +2257 | 1,164.984     | 513.366 |             |  |   |
| 10          | 2121           | 2118.5            | 53 24                       | -          | 6.9         | 92 48          | -103.6          | -110.5                  |                         | 906.1                |               | +848            | +1941 | 1,164.909     | 513.050 |             |  |   |
| 11          | 1798           | 1795.5            | 51 26                       | -          | 6.4         | 93 -           | -94.1           | -100.5                  |                         | 916.1                |               | +775            | +620  | 1,164.836     | 512.729 |             |  |   |
| 12          | 1477           | 1474.3            | 49 08                       | -          | 5.8         | 93 28          | -89.3           | -95.1                   |                         | 921.5                |               | +689            | +1303 | 1,164.750     | 512.412 |             |  |   |
| 13          | 1148           | 1145.2            | 47 25                       | -          | 6.2         | 94 -           | -80.1           | -86.3                   |                         | 930.3                |               | +565            | +996  | 1,164.626     | 512.105 |             |  |   |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                             |                       |                      |                         |                               |           |
|-----------------|-----------------------------|-----------------------|----------------------|-------------------------|-------------------------------|-----------|
| DATE<br>2-17-86 | INSTRUMENT MAN<br>B. Cotamp | ROD MAN<br>B. SALOVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S | LINE NO.<br>4                 | PAGE<br>2 |
| AREA<br>ARIZ.   | TOPO MAP<br>ALAMO LAKE-15   | STATE<br>AZ.          | COUNTY<br>LA PAZ     | TWP                     | RANGE                         | PPM       |
|                 |                             |                       |                      |                         | PARTY MANAGER<br>J. McCLELLAN |           |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS           |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|             |                |                   |                             |       |             |                |                 |                         | 1016.6                  |                      |               |                         |                       |                   |
| 14          | 823            | 819.9             | 49° 45'                     | +13.0 | 5.9         | 95° -          | -71.7           | -77.6                   |                         | 939.0                |               | +375                    | +729                  | 1,164,436 511,838 |
| 15          | 502            | 498.6             | 56° 35'                     | -     | 5.8         | 96° 38'        | -58.0           | -63.8                   |                         | 952.8                |               | +174                    | +467                  | 1,164,235 511,576 |
| 16          | 185            | 183.3             | 72° 30'                     | -     | 6.3         | 97° 50'        | -25.2           | -31.5                   |                         | 985.1                |               | +14                     | +183                  | 1,164,075 511,292 |
| $\Sigma$    | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1011.5               | $\Sigma$      | 0                       | 0                     | 1,164,061 511,109 |
| 17          | 152            |                   | 226° 40'                    | +13.0 | 10.5        | 89° 32'        | +1.2            | -9.3                    |                         | 1007.3               |               | -77                     | -131                  | 1,163,984 510,978 |
| 18          | 479            |                   | 228° 20'                    | -     | 6.0         | 88° 10'        | +15.3           | +9.3                    |                         | 1025.9               |               | -230                    | -420                  | 1,163,831 510,689 |
| 19          | 808            | 807.2             | 227° 20'                    | -     | 5.8         | 87° 28'        | +35.7           | +29.9                   |                         | 1046.5               |               | -400                    | -701                  | 1,163,661 510,408 |
| 20          | 1138           | 1136.9            | 226° 30'                    | -     | 6.3         | 87° 30'        | +49.6           | +43.3                   |                         | 1059.9               |               | -577                    | -980                  | 1,163,484 510,129 |
| 21          | 1448           | 1446.4            | 225° 32'                    | -     | 14.8        | 87° 16'        | +69.1           | +54.3                   |                         | 1070.9               | TP            | -755                    | -1234                 | 1,163,306 509,875 |
| 21          | 1448           |                   |                             |       | 14.7        | 272° 44'       | +69.1           | +54.4                   |                         |                      | TP            |                         |                       |                   |
|             | 1814           | 1813.4            | 37° 07' 58"                 | +13.0 | 8.6         | 91° 30'        | +47.5           | +56.1                   |                         |                      | BS            | -1162                   | -1392                 |                   |
|             | 1814           |                   |                             |       | 8.5         | 268° 30'       | +47.5           | +56.0                   | 1126.9                  |                      | BS            |                         |                       |                   |
| 22          | 1506           | 1505.4            | 40° 55'                     | -     | 6.4         | 91° 38'        | -42.9           | -49.3                   |                         | 1077.6               |               | +887                    | +1217                 | 1,163,031 509,700 |
| 23          | 1181           |                   | 43° 10'                     | -     | 6.4         | 91° 30'        | -30.9           | -37.3                   |                         | 1089.6               |               | +658                    | +981                  | 1,162,802 509,464 |
| 24          | 853            |                   | 42° 50'                     | -     | 5.5         | 91° 30'        | +22.3           | -27.8                   |                         | 1099.1               |               | +479                    | +706                  | 1,162,623 509,189 |
| 25          | 523            |                   | -                           | -     | 6.3         | 91° 42'        | -15.5           | -21.8                   |                         | 1105.1               |               | +294                    | +433                  | 1,162,438 508,916 |
| 26          | 193            |                   | 37° 20'                     | -     | 6.0         | 91° 42'        | -5.7            | -11.7                   |                         | 1115.2               |               | +123                    | +149                  | 1,162,267 508,632 |
| $\Sigma$    | 0              |                   |                             |       | 5.1         | -              |                 | <5.1                    |                         | 1121.8               | $\Sigma$      | 0                       | 0                     | 1,162,144 508,483 |
| 27          | 137            |                   | 217° 10'                    | +13.0 | 5.2         | 89° -          | +2.4            | -2.8                    |                         | 1124.1               |               | -88                     | -105                  | 1,162,056 508,378 |
| 28          | 466            |                   | 213° 30'                    | -     | 5.9         | 89° 20'        | +5.4            | -0.5                    |                         | 1126.4               |               | -321                    | -338                  | 1,161,823 508,145 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                |         |             |              |             |                  |     |          |   |      |               |              |
|------|---------|----------------|----------------|---------|-------------|--------------|-------------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-17-86 | INSTRUMENT MAN | B. Cotcamp     | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834        | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 3             |              |
| AREA | ARIZONA | TOPO MAP       | ALAMO LAKE-15' | STATE   | AZ.         | COUNTY       | YUMA LA PAZ | TWP              |     | RANGE    |   | PPM  |               |              |
|      |         |                |                |         |             |              |             |                  |     |          |   |      | PARTY MANAGER | J. McCLELLAN |

| 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       |             |  |                                     |  |
|             |                |                   |                             |       |             |                |                 |                         | 1126.9                  |                      |         |                 |       |               |         |             |  |                                     |  |
| 29          | 794            |                   | 211 10                      | +13.0 | 5.4         | 88 40          | +18.5           | +13.1                   |                         | 1140.0               |         | -570            | -553  | 1,161,574     | 507,930 |             |  |                                     |  |
| 30          | 1122           |                   | 211 40                      | -     | 6.2         | 88 32          | +28.7           | +22.5                   |                         | 1149.4               |         | -798            | -789  | 1,161,346     | 507,694 |             |  |                                     |  |
| 31          | 1440           |                   | 208 10                      | -     | 6.4         | 88 36          | +35.2           | +28.8                   |                         | 1155.7               |         | -1084           | -948  | 1,161,060     | 507,535 |             |  |                                     |  |
| 32          | 1758           | 1757.4            | 205 42                      | -     | 6.5         | 88 30          | +46.0           | +39.5                   |                         | 1166.4               |         | -1372           | -1099 | 1,160,772     | 507,384 |             |  |                                     |  |
| 33          | 2088           | 2087.2            | 206 45                      | -     | 10.5        | 88 26          | +57.1           | +46.6                   |                         | 1173.5               |         | -1605           | -1335 | 1,160,539     | 507,148 |             |  |                                     |  |
| Bm          | 2205           | 2204.2            | 206 13 30                   | -     | 7.7         | 88 26          | +60.3           | +52.6                   | +52.7                   | 1179.6               | TP      | -1708           | -1394 | 1,160,436     | 507,089 |             |  | 1160,390 x - 507,110 Bm. EL. 1179.0 |  |
| Bm          | 2205           |                   |                             |       | 7.4         | 21 34          | +60.3           | +52.9                   |                         |                      | TP      |                 |       |               |         |             |  |                                     |  |
|             | 1437           |                   | 16 01 46                    | +13.0 | 2.6         | 91 -           | +25.1           | +27.7                   |                         |                      | BS      | -1256           | -697  |               |         |             |  |                                     |  |
|             | 1437           |                   |                             |       | +2.5        | 269 -          | +25.1           | +27.6                   | 1207.2                  |                      | BS      |                 |       |               |         |             |  |                                     |  |
| 34          | 1243           |                   | 11 30                       | -     | 6.2         | 91 18          | -28.2           | -34.4                   |                         | 1172.8               |         | +1131           | +515  | 1,160,311     | 506,907 |             |  |                                     |  |
| 35          | 955            |                   | 4 14                        | -     | 6.4         | 91 14          | -20.6           | -27.0                   |                         | 1180.2               |         | +912            | +283  | 1,160,092     | 506,675 |             |  |                                     |  |
| 36          | 655            |                   | 354 30                      | -     | 5.6         | 91 25          | -16.2           | -21.8                   |                         | 1185.4               |         | +649            | +85   | 1,159,829     | 506,477 |             |  |                                     |  |
| 37          | 330            |                   | 351 10                      | -     | 6.3         | 91 30          | -8.6            | -14.9                   |                         | 1192.3               |         | +329            | +24   | 1,159,509     | 506,416 |             |  |                                     |  |
| 38          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1202.1               | X       | 0               | 0     | 1,159,180     | 506,392 |             |  |                                     |  |
| 39          | 330            |                   | 182 05                      | +13.0 | 5.0         | 89 20          | +3.8            | -1.2                    |                         | 1206.0               |         | -319            | -86   | 1,158,861     | 506,306 |             |  |                                     |  |
| 40          | 653            |                   | 188 35                      | -     | 6.4         | 89 34          | +4.9            | -1.5                    |                         | 1205.7               |         | -607            | -240  | 1,158,573     | 506,152 |             |  |                                     |  |
| 41          | 952            |                   | 192 05                      | -     | 6.5         | 88 46          | +22.2           | +15.7                   |                         | 1222.9               |         | -862            | -404  | 1,158,318     | 505,988 |             |  |                                     |  |
| 42          | 1258           |                   | 185 14                      | -     | 6.2         | 88 44          | +27.8           | +21.6                   |                         | 1228.8               |         | -1195           | -394  | 1,157,985     | 505,998 |             |  |                                     |  |
| 43          | 1571           |                   | 181 -                       | -     | 5.2         | 88 44          | +34.7           | +29.5                   |                         | 1236.7               |         | -1524           | -380  | 1,157,656     | 506,012 |             |  |                                     |  |
| 44          | 1900           | 1899.4            | 181 26 36                   | -     | 13.8        | 88 30          | +44.7           | +35.9                   |                         | 1243.1               | TP      | -1839           | -474  | 1,157,341     | 505,918 |             |  |                                     |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                                  |         |             |              |        |                  |     |          |   |      |               |               |
|------|---------|----------------|----------------------------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|---------------|
| DATE | 2-18-86 | INSTRUMENT MAN | B. Cotcamp                       | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 4             |               |
| AREA | ARIZONA | TOPO MAP       | Lake ALAMO <del>Area</del> - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  |               |               |
|      |         |                |                                  |         |             |              |        |                  |     |          |   |      | PARTY MANAGER | J. Mc CLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         |                         | 1243.1               |               |                 |       |               |         |             |  |         |  |
|             | 2217           | 2215.9            | 37° 25' 09"                 | +13.0 | 8.0         | 91° 50'        | +70.9           | +78.9                   | +78.7                   | 1321.8               | BS            | -1412           | -1708 |               |         |             |  |         |  |
|             | 2217           |                   |                             |       | +7.7        | 268' 10"       | +70.9           | +78.6                   |                         |                      | BS            |                 |       |               |         |             |  |         |  |
| 45          | 1905           | 1903.7            | 39° 10'                     | -     | 5.2         | 92° 06'        | -69.8           | -75.0                   |                         | 1246.8               |               | +1168           | +1504 | 1,157,097     | 505,714 |             |  |         |  |
| 46          | 1619           | 1617.3            | 33° 55'                     | -     | 6.2         | 92° 36'        | -73.4           | -79.6                   |                         | 1242.2               |               | +1105           | +1181 | 1,157,034     | 505,391 |             |  |         |  |
| 47          | 1310           | 1308.6            | 30° -'                      | -     | 6.4         | 92° 38'        | -60.2           | -66.6                   |                         | 1255.2               |               | +957            | +892  | 1,156,886     | 505,102 |             |  |         |  |
| 48          | 1037           |                   | 21° 12'                     | -     | 6.0         | 91° 42'        | -30.8           | -36.8                   |                         | 1285.0               |               | +858            | +583  | 1,156,787     | 504,793 |             |  |         |  |
| 49          | 747            |                   | 11° 25'                     | -     | 5.6         | 91° 30'        | -19.6           | -25.2                   |                         | 1296.6               |               | +680            | +309  | 1,156,609     | 504,519 |             |  |         |  |
| 50          | 468            |                   | 355° 05'                    | -     | 4.7         | 91° 20'        | -10.9           | -15.6                   |                         | 1306.2               |               | +463            | +66   | 1,156,392     | 504,276 |             |  |         |  |
| 51          | 169            |                   | 330° 10'                    | -     | 5.7         | 91° 20'        | -3.9            | -9.6                    |                         | 1312.2               |               | +162            | -49   | 1,156,091     | 504,161 |             |  |         |  |
| X           | 0              |                   |                             |       | 5.1         |                |                 | -5.1                    |                         | 1316.7               | X             | 0               | 0     | 1,155,929     | 504,210 |             |  |         |  |
| 52          | 165            |                   | 167° 35'                    | +13.0 | 5.7         | 89° 26'        | +1.9            | -3.8                    |                         | 1318.0               |               | -165            | -2    | 1,155,764     | 504,208 |             |  |         |  |
| 53          | 492            |                   | 173° 40'                    | -     | 5.3         | 88° 50'        | +10.0           | +4.7                    |                         | 1326.5               |               | -489            | -57   | 1,155,440     | 504,153 |             |  |         |  |
| 54          | 820            |                   | 173° 20' 13"                | -     | 8.4         | 88° 40'        | +19.1           | +10.7                   |                         | 1332.5               | TP            | -815            | -90   | 1,155,114     | 504,120 |             |  |         |  |
| 54          | 820            |                   |                             |       | 8.3         | 271° 20'       | +19.1           | +10.8                   |                         |                      | TP            |                 |       |               |         |             |  |         |  |
|             | 1267           |                   | 4° 20' 46"                  | -     | +10.2       | 91° -'         | +22.1           | +32.3                   |                         |                      | BS            | -1209           | -378  |               |         |             |  |         |  |
|             | 1267           |                   |                             |       | +10.1       | 269° -'        | +22.1           | +32.2                   | 1364.7                  |                      | BS            |                 |       |               |         |             |  |         |  |
| 55          | 973            | 972.1             | 2° 42'                      | -     | 10.5        | 92° 36'        | -42.4           | -52.9                   |                         | 1311.8               |               | +936            | +263  | 1,154,841     | 504,005 |             |  |         |  |
| 56          | 662            | 661.1             | 358° 28'                    | -     | 6.0         | 92° 56'        | -33.9           | -39.9                   |                         | 1324.8               |               | +648            | +131  | 1,154,553     | 503,873 |             |  |         |  |
| 57          | 360            | 358.9             | 11° 50'                     | -     | 6.3         | 94° 34'        | -28.7           | -35.0                   |                         | 1329.7               |               | +326            | +151  | 1,154,231     | 503,893 |             |  |         |  |
| 58          | 186            | 185.2             | 78° 20'                     | -     | 5.8         | 95° 20'        | -17.3           | -23.1                   |                         | 1341.6               |               | -4              | +185  | 1,153,901     | 503,927 |             |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |  |                        |                      |                               |               |           |
|-----------------|--|------------------------|----------------------|-------------------------------|---------------|-----------|
| DATE<br>2-18-86 | INSTRUMENT MAN<br>B. Cotcamp           | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.5       | LINE NO.<br>4 | PAGE<br>5 |
| AREA<br>ARIZONA | TOPO MAP<br>ALAMO <del>lake</del> -15' | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE         | PPM       |
|                 |  |                        |                      | PARTY MANAGER<br>J. McCLELLAN |               |           |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS           |
|----------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
|                |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|                |                |                   |                             |       |             |                |                 |                         | 1364.7                  |                      |               |                         |                       |                   |
| K              | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1359.6               | K             | 0                       | 0                     | 1,153,905 503,742 |
| 59             | 157            |                   | 176 20                      | +13.0 | 4.3         | 94 20          | -11.9           | -16.2                   |                         | 1348.5               |               | -155                    | -25                   | 1,153,750 503,717 |
| 60             | 362            |                   | 242 20                      | -     | 5.1         | 92 30          | -15.8           | -20.9                   |                         | 1343.8               |               | -92                     | -350                  | 1,153,813 503,392 |
| 61             | 636            |                   | 262 25                      | -     | 5.8         | 91 40          | -18.5           | -24.3                   |                         | 1340.4               |               | +60                     | -633                  | 1,153,965 503,109 |
| 62             | 945            |                   | 267 25                      | -     | 6.2         | 91 50          | -30.2           | -36.4                   |                         | 1328.3               |               | +171                    | -929                  | 1,154,076 502,813 |
| 63             | 1266           |                   | 264 25                      | -     | 7.1         | 91 30          | -33.1           | -40.2                   |                         | 1324.5               |               | +163                    | -1255                 | 1,154,068 502,487 |
| 64             | 1593           |                   | 266 -                       | +13.0 | 6.5         | 91 24          | -38.9           | -45.4                   |                         | 1319.3               |               | +249                    | -1573                 | 1,154,154 502,169 |
| 65             | 1920           | 1919.4            | 267 18                      | -     | 6.4         | 91 26          | -48.0           | -54.4                   |                         | 1310.3               |               | +343                    | -1888                 | 1,154,248 501,854 |
| 66             | 2241           | 2240.4            | 269 15                      | -     | 6.3         | 91 22          | -53.4           | -59.7                   |                         | 1305.0               |               | +475                    | -2189                 | 1,154,380 501,553 |
| 67             | 2570           | 2569.2            | 269 24                      | -     | 6.4         | 91 24          | -62.8           | -69.2                   |                         | 1295.5               |               | +552                    | -2509                 | 1,154,457 501,233 |
| 68             | 2842           | 2841.4            | 266 -                       | -     | 10.5        | 91 10          | -57.9           | -68.4                   |                         | 1296.3               |               | +444                    | -2806                 | 1,154,349 500,936 |
| Section Corner | 3021           |                   | 262 01 18                   | -     | 12.4        | 91 -           | -52.7           | -65.1                   |                         | 1299.6               | +             | +264                    | -3009                 | 1,154,169 500,733 |
| 69             | 3121           |                   | 262 56 09                   | -     | 12.9        | 91 -           | -54.5           | -67.4                   |                         | 1297.5               | TP            | +323                    | -3104                 | 1,154,228 500,638 |
| 69             | 3121           |                   |                             |       | 12.4        | 269 -          | -54.5           | -66.9                   |                         |                      | TP            |                         |                       |                   |
|                | 1451           |                   | 64 22 21                    | +13.0 | 13.3        | -              |                 | +13.3                   |                         |                      | BS            | -317                    | -1416                 |                   |
|                | 1451           |                   |                             | +13.0 | 270 -       |                |                 | +13.0                   |                         |                      | BS            |                         |                       |                   |
| 70             | 1163           |                   | 57 35                       | -     | 14.4        | 90 30          | -10.1           | -24.5                   |                         | 1286.1               |               | +387                    | +1097                 | 1,154,298 500,319 |
| 71             | 923            |                   | 45 25                       | -     | 5.8         | 91 20          | -21.5           | -27.3                   |                         | 1283.3               |               | +483                    | +786                  | 1,154,394 500,008 |
| 72             | 594            |                   | 44 50                       | -     | 10.5        | 91 54          | -19.7           | -30.2                   |                         | 1280.4               |               | +316                    | +503                  | 1,154,227 499,725 |
| 73             | 267            |                   | 42 10                       | -     | 6.0         | 90 50          | -3.9            | -9.9                    |                         | 1300.7               |               | +153                    | +219                  | 1,154,064 499,441 |

Y=1154,190 X=500,710  
Section CORNER.  
BLM 3929 31132

0.23  
+13.13 1310.6

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                              |                        |                      |                               |            |           |
|-----------------|------------------------------|------------------------|----------------------|-------------------------------|------------|-----------|
| DATE<br>2-18-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S       | LINE NO. 4 | PAGE<br>6 |
| AREA<br>ARIZONA | TOPO MAP<br>SWANSEA - 15'    | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE      | PPM       |
|                 |                              |                        |                      | PARTY MANAGER<br>J. McCLELLAN |            |           |

| 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<br>TP | COORDINATES             |                       | REMARKS   |         |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|-----------|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |          | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |           | Y       |
|             |                |                   |                             |       |             |                |                 |                         | 1310.6                  |                      |          |                         |                       |           |         |
| TP          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1305.5               | TP       | 0                       | 0                     | 1,153.911 | 499.222 |
| 74          | 63             |                   | 215° 40'                    | +13.0 | 6.2         | 91° 50'        | -2.0            | -8.2                    |                         | 1302.4               |          | -42                     | -47                   | 1,153.869 | 499.175 |
| 75          | 377            |                   | 251° 30'                    | -     | 5.6         | 91° 30'        | -9.9            | -15.5                   |                         | 1295.1               |          | -36                     | -375                  | 1,153.875 | 498.847 |
| 76          | 701            |                   | 257° 40'                    | -     | 6.6         | 90° 50'        | -10.2           | -16.8                   |                         | 1293.8               |          | +8                      | -701                  | 1,153.919 | 498.521 |
| Bm          | 782            |                   | 253° 12' 12"                | -     | 5.0         | 90° 50'        | -11.4           | -16.4                   |                         | 1294.2               | Bm       | -52                     | -780                  | 1,153.859 | 498.442 |
| 77          | 1028           |                   | 254° 05'                    | -     | 10.5        | 90° 38'        | -11.4           | -21.9                   |                         | 1288.7               |          | -52                     | -1027                 | 1,153.859 | 498.195 |
| 78          | 1349           |                   | 252° 10'                    | -     | 6.5         | 90° 36'        | -14.1           | -20.6                   |                         | 1290.0               |          | -114                    | -1344                 | 1,153.797 | 497.878 |
| 79          | 1640           |                   | 257° 10'                    | +13.0 | 5.4         | 90° 20'        | -9.5            | -14.9                   |                         | 1295.7               |          | +5                      | -1640                 | 1,153.916 | 497.582 |
| 80          | 1891           |                   | 264° 05'                    | -     | 6.4         | 90° 28'        | -15.4           | -21.8                   |                         | 1288.8               |          | +233                    | -1877                 | 1,154.144 | 497.345 |
| 81          | 2065           |                   | 272° 14'                    | -     | 6.4         | 90° 34'        | -20.4           | -26.8                   |                         | 1283.8               |          | +543                    | -1992                 | 1,154.454 | 497.230 |
| 82          | 2277           |                   | 278° 50' 41"                | -     | 5.1         | 90° 30'        | -19.9           | -25.0                   |                         |                      |          | +847                    | -2113                 | 1,154.758 | 497.109 |
| 82          | 2277           |                   |                             |       | 4.8         | 269° 30'       | -19.9           | -24.7                   | 24.93                   | 1285.7               | TP       |                         |                       |           |         |
|             | 1882           |                   | 131° 01' 14"                | +13.0 | 8.8         | 89° 20'        | -21.9           | -13.1                   | 13.23                   | 1272.5               | BS       | +1523                   | -1106                 |           |         |
|             | 1882           |                   |                             |       | 8.5         | 270° 40'       | -21.9           | -13.4                   |                         |                      | BS       |                         |                       |           |         |
| 83          | 1558           |                   | 129° 50'                    | -     | 6.4         | 89° 48'        | +5.4            | -1.0                    |                         | 1271.5               |          | -1242                   | +941                  | 1,155.039 | 496.944 |
| 84          | 1241           |                   | 129° -                      | -     | 11.9        | 89° 46'        | +5.1            | -6.8                    |                         | 1265.7               |          | -978                    | +764                  | 1,155.303 | 496.767 |
| 85          | 933            |                   | 125° 57'                    | -     | 5.2         | 89° 38'        | +6.0            | +0.8                    |                         | 1273.3               |          | -704                    | +613                  | 1,155.577 | 496.616 |
| 86          | 657            |                   | 113° 57'                    | -     | 5.3         | 89° 50'        | +1.9            | -3.4                    |                         | 1269.1               |          | -395                    | +525                  | 1,155.886 | 496.528 |
| 87          | 360            |                   | 97° 18'                     | -     | 5.0         | 89° 40'        | +2.1            | -2.9                    |                         | 1269.6               |          | -125                    | +338                  | 1,156.156 | 496.341 |
| 88          | 44             |                   | 82° 45'                     | -     | 5.2         | 89° 40'        | +0.3            | -4.9                    |                         | 1267.6               |          | -4                      | +44                   | 1,156.277 | 496.047 |

5-1,153,825 X-498,420  
U.S.G.S. 32 DOR Bm EL. 1294.6  
1964

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE: 2-18-86  
 INSTRUMENT MAN: B. Cotcamp  
 ROD MAN: B. SALDIVAR  
 PARTY NUMBER: 6834  
 NOTES CHECKED BY: B.S.  
 LINE NO.: 4  
 PAGE: 7  
 AREA: ARIZONA  
 TOPO MAP: SWANSEA -15'  
 STATE: AZ  
 COUNTY: LA PAZ  
 TWP: RANGE: PPM: PARTY MANAGER: J. Mc CLEAN

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS           |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|             |                |                   |                             |       |             |                |                 |                         | 1272.5                  |                      |               |                         |                       |                   |
| K           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1267.4               | K             | 0                       | 0                     | 1,156,281 496,003 |
| 89          | 275            |                   | 268 -                       | +13.0 | 5.8         | 92° 20'        | -11.2           | -17.0                   |                         | 1255.5               |               | +52                     | -270                  | 1,156,333 495,733 |
| 90          | 603            | 602.3             | 269° 35'                    | -     | 11.9        | 92° 44'        | -28.8           | -40.7                   |                         | 1231.8               |               | +131                    | -588                  | 1,156,412 495,415 |
| 91          | 879            |                   | 261° 23'                    | -     | 10.6        | 91° 54'        | -29.1           | -39.7                   |                         | 1232.8               |               | +67                     | -876                  | 1,156,348 495,127 |
| 92          | 1082           |                   | 246° 04' 57"                | -     | 6.4         | 91° 12'        | -22.7           | -29.1                   |                         | 1243.4               |               | -205                    | -1062                 | 1,156,076 494,941 |
| TP          | 1136           |                   | 235° 51' 34"                | -     | 7.6         | 90° 50'        | -16.5           | -24.1                   |                         | 1248.4               | TP            | -410                    | -1059                 | 1,155,871 494,944 |
| TP          | 1136           |                   |                             |       | 7.5         | 269° 10'       | -16.5           | -24.0                   |                         |                      | TP            |                         |                       |                   |
|             | 1011           |                   | 355° 38' 16"                | +13.0 | 13.9        | 84             | +5.1            | +19.0                   | 1267.4                  |                      | BS            | -1000                   | -152                  |                   |
|             | 1011           |                   |                             |       | 13.8        | 84 20'         | +5.1            | +18.9                   |                         |                      | BS            |                         |                       |                   |
| 93          | 885            |                   | 354° 20'                    | -     | 6.3         | 91° 08'        | -17.5           | -23.8                   |                         | 1243.6               |               | +878                    | +113                  | 1,155,749 494,905 |
| 94          | 557            |                   | 356 -                       | -     | 5.8         | 91 -           | -9.7            | -15.5                   |                         | 1251.9               |               | +550                    | +87                   | 1,155,421 494,879 |
| 95          | 232            |                   | 350° 45'                    | -     | 4.7         | 91 -           | -4.0            | -8.7                    |                         | 1258.7               |               | +232                    | +15                   | 1,155,103 494,807 |
| K           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1262.3               | K             | 0                       | 0                     | 1,154,871 494,792 |
| 96          | 125            |                   | 220 -                       | +13.0 | 5.4         | 89° 30'        | +1.1            | -4.3                    |                         | 1263.1               |               | -75                     | -100                  | 1,154,796 494,692 |
| 97          | 451            |                   | 208° 35'                    | -     | 5.3         | 89° 10'        | +6.6            | +1.3                    |                         | 1268.7               |               | -337                    | -299                  | 1,154,534 494,493 |
| TP          | 622            |                   | 208° 35' 24"                | -     | 3.6         | 89° 10'        | +9.0            | +5.4                    |                         | 1272.8               | TP            | -465                    | -413                  | 1,154,406 494,379 |
| TP          | 622            |                   |                             |       | 3.5         | 270° 50'       | +9.0            | +5.5                    |                         |                      | TP            |                         |                       |                   |
|             | 2641           | 2640.1            | 38° 34' 14"                 | -     | 3.8         | 91° 30'        | +69.1           | +71.9                   | 1271.23 1344.5          |                      | BS            | -1641                   | -2068                 |                   |
|             | 2641           |                   |                             |       | 2.3         | 268° 30'       | +69.1           | +71.4                   |                         |                      | BS            |                         |                       |                   |

SURVEY NOTES - HIGH RESOLUTION DATA

Geosource Inc.

5EO-445

DATE: 2-18-86  
 INSTRUMENT MAN: B. Cotcamp  
 ROD MAN: B. SALDIVAR  
 PARTY NUMBER: 6834  
 NOTES CHECKED BY: B.S.  
 LINE NO.: 4  
 PAGE: 8  
 AREA: ARIZONA  
 TOPO MAP: SWANSEA - 15  
 STATE: AZ  
 COUNTY: LA PAZ  
 TWP: RANGE: PPM: PARTY MANAGER: J. Mc CRELLAN

| 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       |          |
|             |                |                   |                             |       |             |                |                 |                         | 1344.5                  |                      |         |                      |                    |             |         |          |
| 98          | 2479           | 2478.2            | 38° 04'                     | +13.0 | 5.8         | 91° 28'        | -63.5           | -69.3                   |                         | 1275.2               |         | +1557                | +1928              | 1,154.322   | 494.239 |          |
| 99          | 2149           | 2148.2            | 38° 30'                     | -     | 5.6         | 91° 34'        | -58.8           | -64.4                   |                         | 1280.1               |         | +1337                | +1681              | 1,154.102   | 493.992 |          |
| 100         | 1819           | 1818.3            | 38° 10'                     | -     | 5.4         | 91° 34'        | -49.7           | -55.1                   |                         | 1289.4               |         | +1140                | +1416              | 1,153.905   | 493.727 |          |
| 101         | 1496           | 1495.3            | 39° -                       | -     | 6.4         | 91° 44'        | -45.3           | -51.7                   |                         | 1292.8               |         | +921                 | +1178              | 1,153.686   | 493.489 |          |
| 102         | 1166           | 1165.4            | 38° 05'                     | +13.0 | 17.2        | 91° 50'        | -37.3           | -54.5                   |                         | 1290.0               |         | +732                 | +907               | 1,153.497   | 493.218 |          |
| 103         | 976            | 974.9             | 24° 42'                     | -     | 6.3         | 92° 42'        | -46.0           | -52.3                   |                         | 1292.2               |         | +771                 | +596               | 1,153.536   | 492.907 |          |
| 104         | 805            | 803.4             | 6° 34'                      | -     | 6.3         | 93° 34'        | -50.1           | -56.4                   |                         | 1288.1               |         | +757                 | +269               | 1,153.522   | 492.580 |          |
| 105         | 625            | 623.4             | 344° 10'                    | -     | 6.3         | 94° 06'        | -44.7           | -51.0                   |                         | 1293.5               |         | +623                 | -31                | 1,153.388   | 492.280 |          |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1339.4               | X       | 0                    | 0                  | 1,152.765   | 492.311 | OFF LINE |
| 106         | 582            | 579.8             | 313° -                      | +13.0 | 6.3         | 95° -          | -50.7           | -57.0                   |                         | 1287.5               |         | +481                 | -324               | 1,153.246   | 491.987 |          |
| 107         | 696            | 693.9             | 285° 05'                    | -     | 4.4         | 94° 30'        | -54.6           | -59.0                   |                         | 1285.5               |         | +327                 | -612               | 1,153.092   | 491.699 |          |
| 108         | 929            | 927.1             | 269° 05'                    | -     | 6.3         | 93° 42'        | -60.0           | -66.3                   |                         | 1278.2               |         | +194                 | -907               | 1,152.959   | 491.404 |          |
| 109         | 1251           | 1249.1            | 270° 37'                    | -     | 6.3         | 93° 10'        | -69.1           | -75.4                   |                         | 1269.1               |         | +294                 | -1214              | 1,153.059   | 491.097 |          |
| 110         | 1486           | 1484.8            | 261° 15'                    | -     | 4.5         | 92° 20'        | -60.5           | -65.0                   |                         | 1279.5               |         | +110                 | -1481              | 1,152.875   | 490.830 |          |
| 111         | 1705           | 1704.4            | 252° 38' 04"                | -     | 12.9        | 91° 28'        | -43.6           | -56.5                   |                         | 1288.1               | TP      | -130                 | -1700              | 1,152.635   | 490.611 | 37.2     |
| 111         | 1705           |                   |                             |       | 12.6        | 268° 32'       | -43.6           | -56.2                   |                         |                      | TP      |                      |                    |             |         |          |
|             | 1838           |                   | 11° 30' 03"                 | +13.0 | 8.6         | TP             | -9.2            | -0.6                    |                         | 1287.4               | BS      | -1673                | -762               |             |         |          |
|             | 1838           |                   |                             |       | 8.3         | TP             | -9.2            | -0.9                    |                         |                      | BS      |                      |                    |             |         |          |
| 112         | 1508           |                   | 10° 20'                     | -     | 6.5         | 90° 40'        | -17.5           | -24.0                   |                         | 1263.4               |         | +1385                | +597               | 1,152.347   | 490.446 |          |
| 113         | 1185           |                   | 10° 40'                     | -     | 5.5         | 90° 34'        | -11.7           | -17.2                   |                         | 1270.2               |         | +1085                | +476               | 1,152.047   | 490.325 |          |

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

EO-445

DATE: 2-18-86 INSTRUMENT MAN: B. Cotcamp ROD MAN: B. SALDIVAR PARTY NUMBER: 6834 NOTES CHECKED BY: B.S. LINE NO.: 4 PAGE: 9  
 AREA: ARIZONA TOPO MAP: SWANSEA-15' STATE: AZ. COUNTY: LA PAZ TWP: RANGE: PPM: PARTY MANAGER: J. McCLELLAN

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS                   |  |
|-------------|--------------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------------------------|--|
|             |                    |                   |                             |        |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |                           |  |
|             |                    |                   |                             |        |             |                |                 |                         | 1287.4                  |                      |               |                         |                       |             |         |                           |  |
| 114         | 856                |                   | 11° 30'                     | +13.0  | 6.0         | 90° 30'        | -7.5            | -13.5                   |                         | 1273.9               |               | + 779                   | + 355                 | 1,151,741   | 490,204 | y = 1,151,510 X = 490,190 |  |
| Sec. Corner | 687                |                   | 18° 48' 38"                 | -      | 8.0         | 90° 30'        | -6.0            | -14.0                   |                         | 1273.4               | Sec. Corner   | + 584                   | + 362                 | 1,151,546   | 490,211 | + HALF SECTION EL 1273.0  |  |
| 115         | 526                |                   | 9° 50'                      | -      | 6.2         | 90° 46'        | -7.0            | -13.2                   |                         | 1274.2               |               | + 485                   | + 204                 | 1,151,447   | 490,053 | 35-36                     |  |
| 116         | <del>127</del> 197 |                   | 7° 50'                      | -      | 5.0         | 90° 40'        | -2.3            | -7.3                    |                         | 1280.1               |               | + 184                   | + 70                  | 1,151,146   | 489,919 |                           |  |
| X           | 0                  |                   |                             |        | 5.1         | -              | -               | -5.1                    |                         | 1282.3               | X             | 0                       | 0                     | 1,150,962   | 489,849 |                           |  |
| 117         | 136                |                   | 205 -                       | +13.0  | 5.2         | -              | -               | -5.2                    |                         | 1282.2               |               | - 107                   | - 84                  | 1,150,855   | 489,765 |                           |  |
| 118         | 466                |                   | 201° 30'                    | -      | 5.2         | 74             | +2.3            | -2.9                    |                         | 1284.5               |               | - 384                   | - 264                 | 1,150,578   | 489,585 |                           |  |
| 119         | 795                |                   | 201° 20'                    | -      | 4.7         | 89 -           | +13.9           | +9.2                    |                         | 1296.6               |               | - 656                   | - 448                 | 1,150,306   | 489,401 |                           |  |
| 120         | 1122               |                   | 202 -                       | -      | 6.0         | 88° 50'        | +22.8           | +16.8                   |                         | 1304.2               |               | - 919                   | - 644                 | 1,150,043   | 489,205 | y = 1,149,805 X = 489,035 |  |
| Bm          | 1401               |                   | 200° 25' 10"                | -      | 9.3         | 88° 40'        | +32.6           | +23.3                   |                         | 1310.7               | Bm.           | - 1169                  | - 771                 | 1,149,793   | 489,078 | U.S.G.S Bm EL. 1311.0     |  |
| 121         | 1445               |                   | 198° 55'                    | -      | 12.8        | 88° 38'        | +34.5           | +21.7                   |                         | 1309.1               |               | - 1227                  | - 764                 | 1,149,735   | 489,085 |                           |  |
| 122         | 1775               |                   | 199° 14'                    | -      | 10.3        | 88° 34'        | +44.4           | +34.1                   |                         | 1321.5               |               | - 1501                  | - 947                 | 1,149,461   | 488,902 |                           |  |
| TP          | 1967               | 1966.4            | 199° 49' 25"                | -      | 11.6        | 88° 34'        | +49.2           | +37.6                   |                         |                      | TP            | - 1652                  | - 1066                | 1,149,310   | 488,783 |                           |  |
| TP          | 1967               |                   |                             |        | 11.3        | 271° 26'       | +49.2           | +37.9                   | +37.83                  | 1325.2               | TP            |                         |                       |             |         |                           |  |
|             | 2629               |                   | 29° 32' 16"                 | +13.0+ | 11.0        | 90° 50'        | +38.2           | +49.2                   |                         |                      | BS            | - 1937                  | - 1777                |             |         |                           |  |
|             | 2629               |                   |                             |        | 10.5        | 269° 10'       | +38.2           | +48.7                   | +49.03                  | 1324.2               | BS            |                         |                       |             |         |                           |  |
| 123         | 2489               |                   | 29 -                        | -      | 5.9         | 91 -           | -43.4           | -49.3                   |                         | 1324.9               |               | + 1850                  | + 1665                | 1,149,223   | 488,671 |                           |  |
| 124         | 2169               |                   | 28 -                        | -      | 8.2         | 91 -           | -37.9           | -46.1                   |                         | 1328.1               |               | + 1637                  | + 1423                | 1,149,010   | 488,429 |                           |  |
| 125         | 1858               |                   | 25° 08'                     | -      | 18.5        | 90° 38'        | -20.5           | -39.0                   |                         | 1335.2               |               | + 1461                  | + 1147                | 1,148,834   | 488,153 |                           |  |
| 126         | 1540               |                   | 27° 45'                     | -      | 6.4         | 91° 08'        | -30.5           | -36.9                   |                         | 1337.3               |               | + 1167                  | + 1005                | 1,148,546   | 488,011 |                           |  |

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

SEO-445

|                 |                             |                        |                      |                               |               |            |
|-----------------|-----------------------------|------------------------|----------------------|-------------------------------|---------------|------------|
| DATE<br>2-18-86 | INSTRUMENT MAN<br>B. Cotnam | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S       | LINE NO.<br>4 | PAGE<br>10 |
| AREA<br>ARIZONA | TOPO MAP<br>SWANSEA-15      | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE         | PPM        |
|                 |                             |                        |                      | PARTY MANAGER<br>J. McCLELLAN |               |            |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS   |         |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-----------|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |           | Y       |
|             |                |                   |                             |       |             |                |                 |                         | 1374.2                  |                      |               |                         |                       |           |         |
| 127         | 1213           |                   | 29° 25'                     | +13.0 | 5.6         | 91° 12'        | -25.4           | -31.0                   |                         | 1343.2               |               | + 896                   | + 818                 | 1,148,269 | 487.824 |
| 128         | 907            |                   | 36° 28'                     | -     | 6.0         | 91° 46'        | -28.0           | -34.0                   |                         | 1340.2               |               | + 589                   | + 689                 | 1,147,962 | 487.695 |
| 129         | 644            |                   | 51° 28'                     | -     | 6.5         | 92° -          | -22.5           | -29.0                   |                         | 1345.2               |               | + 278                   | + 581                 | 1,147,651 | 487.587 |
| 130         | 434            |                   | 79° 05'                     | -     | 7.2         | 92° -          | -15.1           | -22.3                   |                         | 1351.9               |               | -16                     | + 434                 | 1,147,357 | 487.440 |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1369.1               | X             | 0                       | 0                     | 1,147,373 | 487.006 |
| 131         | 361            |                   | 126° 52'                    | +13.0 | 6.1         | 91° 40'        | -10.5           | -16.6                   |                         | 1357.6               |               | -276                    | + 233                 | 1,147,097 | 487.239 |
| 132         | 593            |                   | 155° 15'                    | -     | 4.7         | 90° 40'        | -6.9            | -11.6                   |                         | 1362.6               |               | -581                    | + 121                 | 1,146,792 | 487.127 |
| 133         | 889            |                   | 165° 55'                    | -     | 6.7         | 89° 40'        | +5.2            | -1.5                    |                         | 1372.7               |               | -889                    | + 17                  | 1,146,484 | 487.023 |
| 134         | 1146           |                   | 177° 15'                    | -     | 11.9        | 89° 32'        | +9.3            | -2.6                    |                         | 1371.6               |               | -1128                   | -204                  | 1,146,245 | 486.802 |
| 135         | 1412           |                   | 186° 28'                    | -     | 11.9        | 89° 32'        | +11.5           | -0.4                    |                         | 1373.8               |               | -1331                   | -471                  | 1,146,042 | 486.535 |
| 136         | 1724           |                   | 189° 17'                    | -     | 6.2         | 89° 38'        | +11.0           | +4.8                    |                         | 1379.0               |               | -1595                   | -654                  | 1,145,778 | 486.352 |
| 137         | 2049           |                   | 190° 20'                    | -     | 5.7         | 89° 32'        | +16.7           | +11.0                   |                         | 1385.2               |               | -1881                   | -812                  | 1,145,492 | 486.194 |
| 138         | 2372           |                   | 192° 07' 30"                | -     | 11.6        | 89° 20'        | +27.6           | +16.0                   |                         |                      |               | -2147                   | -1007                 | 1,145,226 | 485.999 |
| 138         | 2372           |                   |                             |       | 11.3        | 270° 40'       | +27.6           | +16.3                   | +16.2                   | 1390.4               | TP            |                         |                       |           |         |
|             | 1377           |                   | 24° 15' 29"                 | +13.0 | 9.8         | 91° 30'        | +36.0           | +45.8                   | +45.7                   | 1436.1               | BS            | -1096                   | -833                  |           |         |
|             | 1377           |                   |                             |       | 9.5         | 268° 30'       | +36.0           | +45.5                   |                         |                      | BS            |                         |                       |           |         |
| 139         | 1048           |                   | 24° -                       | -     | 4.6         | 92° -          | -36.6           | -41.2                   |                         | 1394.9               |               | + 837                   | + 631                 | 1,144,967 | 485.797 |
| 140         | 718            |                   | -                           | -     | 6.4         | 92° 22'        | -29.6           | -36.0                   |                         | 1400.1               |               | + 573                   | + 432                 | 1,144,703 | 485.598 |
| 141         | 389            |                   | 25° -                       | -     | 5.3         | 94° -          | -27.1           | -32.4                   |                         | 1403.7               |               | + 307                   | + 239                 | 1,144,437 | 485.405 |
| 142         | 134            |                   | 330° 45'                    | -     | 5.0         | 102° 10'       | -28.2           | -33.2                   |                         | 1402.9               |               | + 129                   | -38                   | 1,144,259 | 485.128 |

Mag Rock X

EO-445

DATE 2-18-86

INSTRUMENT MAN B. Cotcamp

ROD MAN B. GALOVAR

PARTY NUMBER 6834

NOTES CHECKED BY B.S.

LINE NO. 4

PAGE 11

STATE ARIZONA

TOPO MAP SWANSEA-15'

STATE AZ.

COUNTY LA PAZ

TWP

RANGE

PPM

PARTY MANAGER J. Mc Lellan

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1436.1                  |                      |               |                         |                       |             |         |         |  |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1431.0               | X             | 0                       | 0                     | 1,144,130   | 485,166 |         |  |
| 143         | 329            |                   | 251° 55'                    | +13.0 | 5.6         | 94° 10'        | -23.9           | -29.5                   |                         | 1406.6               |               | -29                     | -328                  | 1,144,101   | 484,838 |         |  |
| 144         | 655            |                   | 255° 30'                    | -     | 6.0         | 91° 30'        | -17.1           | -23.1                   |                         | 1413.0               |               | -17                     | -655                  | 1,144,113   | 484,511 |         |  |
| 145         | 976            |                   | 249° 50'                    | -     | 6.6         | 90° 50'        | -14.2           | -20.8                   |                         | 1415.3               |               | -122                    | -968                  | 1,144,008   | 484,198 |         |  |
| 146         | 1267           |                   | 241° 56'                    | -     | 6.5         | 90° 24'        | -8.8            | -15.3                   |                         | 1420.8               |               | -329                    | -1223                 | 1,143,801   | 483,943 |         |  |
| 147         | 1569           |                   | 236° 42'                    | -     | 6.4         | 90° 06'        | -2.7            | -9.1                    |                         | 1427.0               |               | -544                    | -1472                 | 1,143,586   | 483,694 |         |  |
| 148         | 1882           |                   | 233° -                      | +13.0 | 6.4         | 89° 54'        | +3.3            | -3.1                    |                         | 1433.0               |               | -765                    | -1719                 | 1,143,365   | 483,447 |         |  |
| 149         | 2158           |                   | 228° 02'                    | -     | 6.3         | 89° 46'        | +8.8            | +2.5                    |                         | 1438.6               |               | -1045                   | -1888                 | 1,143,085   | 483,278 |         |  |
| 150         | 2426           |                   | 223° 15'                    | -     | 5.8         | 89° 38'        | +15.5           | +9.7                    |                         | 1445.4               |               | -1348                   | -2017                 | 1,142,782   | 483,149 |         |  |
| 151         | 2743           |                   | 222° 00' 48"                | -     | 14.5        | 89° 28'        | +25.5           | +11.0                   |                         |                      | TP            | -1573                   | -2247                 | 1,142,557   | 482,919 |         |  |
| 151         | 2743           |                   |                             |       | 14.0        | 270° 32'       | +25.5           | +11.5                   | +11.33                  | 1447.4               | TP            |                         |                       |             |         |         |  |
|             | 1376           |                   | 47° 06' 22"                 | +13.0 | 13.1        | 91° -          | +24.0           | +37.1                   | +37.0                   | 1484.4               | BS            | -686                    | -1193                 |             |         |         |  |
|             | 1376           |                   |                             |       | 12.8        | 269° -         | +24.0           | +36.8                   |                         |                      | BS            |                         |                       |             |         |         |  |
| 152         | 1047           |                   | 45° 30'                     | -     | 6.4         | 91° 26'        | -26.2           | -32.6                   |                         | 1451.8               |               | +547                    | +893                  | 1,142,418   | 482,619 |         |  |
| 153         | 720            |                   | 43° -                       | -     | 6.3         | 91° 36'        | -20.1           | -26.4                   |                         | 1458.0               |               | +403                    | +597                  | 1,142,274   | 482,323 |         |  |
| 154         | 695            |                   | 43° 28' 34"                 | -     | 6.2         | 91° 36'        | -19.4           | -25.6                   |                         | 1458.8               |               | +384                    | +579                  | 1,142,255   | 482,305 |         |  |
| 154         | 402            |                   | 32° 43'                     | -     | 21.1        | 90° 10'        | -1.2            | -22.3                   |                         | 1462.1               |               | +281                    | +288                  | 1,142,152   | 482,014 |         |  |
| 155         | 157            |                   | 341° 50'                    | -     | 6.2         | 95° -          | -13.7           | -19.9                   |                         | 1464.5               |               | +156                    | -14                   | 1,142,027   | 481,712 |         |  |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1479.3               | X             | 0                       | 0                     | 1,141,871   | 481,726 |         |  |
| 156         | 276            |                   | 246° -                      | --    | 6.6         | 92° -          | -9.6            | -16.2                   |                         | 1468.2               |               | -53                     | -271                  | 1,141,818   | 481,455 |         |  |

Y = 1,142,230 X = 482,300  
at T-Inter

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

150-445

|                 |                              |                        |                      |                               |               |            |
|-----------------|------------------------------|------------------------|----------------------|-------------------------------|---------------|------------|
| DATE<br>2-18-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S       | LINE NO.<br>4 | PAGE<br>12 |
| AREA<br>ARIZONA | TOPO MAP<br>SWANSEA - 15'    | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE         | PPM        |
|                 |                              |                        |                      | PARTY MANAGER<br>J. McCLELLAN |               |            |

| 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 -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|             |                |                   |                             |       |             |                |                 |                         | 1484.4                  |                      |         |                         |                       |                   |
| 157         | 574            |                   | 227° 10'                    | +13.0 | 14.6        | 89° 40'        | +3.3            | -11.3                   |                         | 1473.1               |         | -286                    | -498                  | 1,141,585 481,228 |
| 158         | 895            |                   | 220° 10'                    | -     | 6.3         | 89° 54'        | +1.6            | -4.7                    |                         | 1479.7               |         | -537                    | -716                  | 1,141,334 481,010 |
| 159         | 1221           |                   | 217° 50'                    | -     | 6.1         | 89° 40'        | +7.1            | +1.0                    |                         | 1485.4               |         | -771                    | -947                  | 1,141,100 480,779 |
| 160         | 1549           |                   | 216° 30'                    | -     | 5.7         | 89° 30'        | +13.5           | +7.8                    |                         | 1492.2               |         | -1006                   | -1178                 | 1,140,865 480,548 |
| 161         | 1876           |                   | 215° -                      | -     | 6.3         | 89° 24'        | +19.6           | +13.3                   |                         | 1497.7               |         | -1255                   | -1394                 | 1,140,616 480,332 |
| TP          | 1974           |                   | 214° 55' 42"                | -     | 9.7         | 89° 16'        | +25.3           | +15.6                   |                         |                      | TP      | -1323                   | -1465                 | 1,140,548 480,261 |
| TP          | 1974           |                   |                             |       | 9.4         | 270° 44'       | +25.3           | +15.9                   | 155.83                  | 1500.2               | TP      |                         |                       |                   |
|             | 3203           |                   | 16° 24' 09"                 | +13.0 | 8.6         | 90° 50'        | +46.6           | +55.2                   | 155.01                  | 1555.2               | BS      | -2790                   | -1572                 |                   |
|             | 3203           |                   |                             |       | 8.1         | 269° 16'       | +46.6           | +54.7                   |                         |                      | BS      |                         |                       |                   |
| 162         | 2969           |                   | 16° 08'                     | -     | 6.0         | 90° 52'        | -44.9           | -50.9                   |                         | 1504.3               |         | +2593                   | +1445                 | 1,140,351 480,134 |
| 163         | 2640           |                   | - -                         | -     | 6.0         | 90° 52'        | -39.9           | -45.9                   |                         | 1509.3               |         | +2306                   | +1285                 | 1,140,064 479,974 |
| 164         | 2310           |                   | - -                         | -     | 5.6         | 90° 52'        | -34.9           | -40.5                   |                         | 1514.7               |         | +2018                   | +1125                 | 1,139,776 479,814 |
| 165         | 1980           |                   | - -                         | -     | 5.0         | 90° 52'        | -29.9           | -34.9                   |                         | 1520.3               |         | +1730                   | +964                  | 1,139,488 479,653 |
| 166         | 1650           |                   | 16° 08'                     | +13.0 | 4.7         | 90° 52'        | -25.0           | -29.7                   |                         | 1525.5               |         | +1441                   | +803                  | 1,139,199 479,492 |
| 167         | 1320           |                   | - -                         | -     | 5.6         | 90° 50'        | -19.2           | -24.8                   |                         | 1530.4               |         | +1153                   | +643                  | 1,138,911 479,332 |
| 168         | 990            |                   | - -                         | -     | 4.5         | 90° 50'        | -14.4           | -18.9                   |                         | 1536.3               |         | +865                    | +482                  | 1,138,623 479,171 |
| 169         | 660            |                   | - -                         | -     | 4.8         | 90° 50'        | -9.6            | -14.4                   |                         | 1540.8               |         | +577                    | +321                  | 1,138,335 479,010 |
| 170         | 330            |                   | - -                         | -     | 4.5         | 90° 50'        | -4.8            | -9.3                    |                         | 1545.9               |         | +288                    | +161                  | 1,138,046 478,850 |
| 171         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1550.1               | TP      | 0                       | 0                     | 1,137,758 478,689 |
| 172         | 330            |                   | 205° 30'                    | +13.0 | 5.4         | 89° -          | +5.8            | +0.4                    |                         | 1555.16              |         | -258                    | -205                  | 1,137,500 478,484 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |     |          |   |      |               |              |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-18-86 | INSTRUMENT MAN | B. Cotamp   | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 13            |              |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES |         | REMARKS                        |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|--------------------------------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.          | Y           | X       |                                |  |
|             |                |                   |                             |       |             |                |                 |                         | 1555.2                  |                      |               |                 |               |             |         |                                |  |
| 16          | 487            |                   | 205° 52' 40"                | +13.6 | 5.3         | 89° -          | +8.5            | +3.2                    |                         | 1558.4               | IF            | -379            | -306          | 1,137.379   | 478.383 | IF -1,137,405 x = 478,405      |  |
| 173         | 660            |                   | 210° 30'                    | -     | 6.3         | 88° 52'        | +13.1           | +6.8                    |                         | 1562.0               |               | -479            | -454          | 1,137.279   | 478.235 |                                |  |
| 174         | 987            |                   | 210° 40'                    | -     | 6.4         | 88° 50'        | +20.1           | +13.7                   |                         | 1568.9               |               | -714            | -681          | 1,137.044   | 478.008 |                                |  |
| 175         | 1313           |                   | 207° 50'                    | -     | 6.0         | 88° 58'        | +23.7           | +17.7                   |                         | 1572.9               |               | -993            | -859          | 1,136.765   | 477.830 |                                |  |
| TP          | 1617           | 1616.4            | 206° 06' 30"                |       | 5.6         | 88° 30'        | +42.3           | +36.7                   |                         |                      | TP            | -1254           | -1020         | 1,136.504   | 477.669 |                                |  |
| TP          | 1617           |                   |                             |       | 5.3         | 271° 30'       | +42.3           | +37.0                   | +36.93                  | 1592.1               | TP            |                 |               |             |         |                                |  |
|             | 872            |                   | 33° 31' 33"                 | +13.0 | 7.2         | -              |                 | +7.2                    |                         | 1599.3               | BS            | -600            | -633          |             |         |                                |  |
|             | 872            |                   |                             |       | 7.1         | 270° -         |                 | +7.1                    |                         |                      | BS            |                 |               |             |         |                                |  |
| 176         | 848            |                   | 27° 20'                     | -     | 10.5        | 90° 48'        | -11.8           | -22.3                   |                         | 1577.0               | #             | +646            | +549          | 1,136.550   | 477.585 | 1,136,570 x = 477,570<br>wash. |  |
| 177         | 521            |                   | 23° 25'                     | -     | 6.7         | 91° -          | -9.1            | -15.8                   |                         | 1583.5               |               | +419            | +309          | 1,136.323   | 477.345 |                                |  |
| 178         | 195            |                   | 23° 25'                     | -     | 6.6         | -              |                 | -6.6                    |                         | 1592.7               |               | +157            | +116          | 1,136.061   | 477.152 |                                |  |
| K           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1594.2               | K             | 0               | 0             | 1,135.904   | 477.036 |                                |  |
| 179         | 135            |                   | 211° 32'                    | +13.0 | 6.3         | 89° 10'        | +2.0            | -4.3                    |                         | 1595.0               |               | -96             | -95           | 1,135.808   | 476.941 |                                |  |
| 180         | 465            |                   | - -                         | -     | 6.4         | 89° 10'        | +6.8            | +0.4                    |                         | 1599.7               |               | -331            | -326          | 1,135.573   | 476.710 |                                |  |
| 181         | 795            |                   | - -                         | -     | 6.0         | 89° 10'        | +11.6           | +5.6                    |                         | 1604.9               |               | -567            | -558          | 1,135.337   | 476.478 |                                |  |
| 182         | 1125           |                   | 212° - -                    | -     | 6.1         | 89° 10'        | +16.4           | +10.3                   |                         | 1609.6               |               | -796            | -796          | 1,135.108   | 476.240 |                                |  |
| TP          | 1173           |                   | 211° 43' 06"                | -     | 4.9         | 89° -          | +20.5           | +15.6                   |                         |                      | TP            | -833            | -825          | 1,135.071   | 476.211 |                                |  |
| TP          | 1173           |                   |                             |       | 4.8         | 271° -         | +20.5           | +15.7                   |                         | 1615.0               | TP            |                 |               |             |         |                                |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |          |   |      |               |             |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|-------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 14            |             |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. Mc ELLAN |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS           |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|             |                |                   |                             |       |             |                |                 |                         |                         | 1615.0               |               |                         |                       |                   |
|             | 1559           |                   | 48° 19' 57"                 | +13.0 | 8.8         | 91° -          | +27.2           | +36.0                   | } 359.7 1650.9          |                      | BS            | -748                    | -1368                 |                   |
|             | 1559           |                   |                             |       | 8.5         | 269° -         | +27.2           | +35.7                   |                         | BS                   |               |                         |                       |                   |
| 183         | 1277           |                   | 47° 30'                     | -     | 3.9         | 91° 30'        | -33.4           | -37.3                   |                         | 1613.16              |               | +629                    | +1111                 | 1,134.952 475.954 |
| 184         | 952            |                   | 44° 20'                     | -     | 5.0         | 91° 40'        | -27.7           | -32.7                   |                         | 1618.2               |               | +514                    | +801                  | 1,134.837 475.644 |
| 185         | 625            |                   | 42° 50'                     | -     | 4.6         | 92° 10'        | -23.6           | -28.2                   |                         | 1622.7               |               | +351                    | +517                  | 1,134.674 475.360 |
| 186         | 296            |                   | 46° 40'                     | -     | 5.2         | 93° 20'        | -17.2           | -22.4                   |                         | 1628.5               |               | +149                    | +255                  | 1,134.472 475.098 |
| $\Sigma$    | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1645.8               | $\Sigma$      | 0                       | 0                     | 1,134.323 474.843 |
| 187         | 55             | 54.1              | 171° 15'                    | +13.0 | 4.3         | 100° 40'       | -10.2           | -14.5                   |                         | 1636.4               |               | -54                     | -4                    | 1,134.269 474.839 |
| 188         | 370            |                   | 213° 20'                    | -     | 5.4         | 90° 30'        | -3.2            | -8.6                    |                         | 1642.3               |               | -255                    | -268                  | 1,134.068 474.515 |
| 189         | 699            |                   | 215° 50'                    | -     | 5.6         | 89° 40'        | +4.1            | -1.5                    |                         | 1649.4               |               | -460                    | -526                  | 1,133.863 474.317 |
| TP          | 857            |                   | 214° 58' 45"                | -     | 5.1         | 89° 40'        | +5.0            | -0.1                    | }                       |                      | TP            | -574                    | -637                  | 1,133.749 474.206 |
| TP          | 857            |                   |                             |       | 5.0         | 270° 20'       | +5.0            | ±0.0                    |                         | 1650.9               | TP            |                         |                       |                   |
|             | 558            |                   | 16° 36' 30"                 | +13.0 | 2.4         | TH             | -2.8            | -0.4                    | } 1650.5                |                      | BS            | -485                    | -276                  |                   |
|             | 558            |                   |                             |       | 2.3         | TH 270°        | -2.8            | -0.5                    |                         | BS                   |               |                         |                       |                   |
| 190         | 384            |                   | 16° 15'                     | -     | 5.2         | 89° 24'        | +4.0            | -1.2                    |                         | 1649.3               |               | +335                    | +188                  | 1,133.579 474.118 |
| 191         | 59             |                   | 1° -                        | -     | 4.9         | 88° 40'        | +1.4            | -3.5                    |                         | 1647.0               |               | +57                     | +14                   | 1,133.321 473.944 |
| $\Sigma$    | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1645.4               | $\Sigma$      | 0                       | 0                     | 1,133.264 473.930 |
| 192         | 286            |                   | 227° 42'                    | -     | 4.9         | 90° 20'        | -1.7            | -6.6                    |                         | 1643.9               |               | -140                    | -249                  | 1,133.124 473.681 |
| 193         | 616            |                   | -                           | -     | 5.3         | 90° 20'        | -3.6            | -8.9                    |                         | 1641.6               |               | -301                    | -537                  | 1,132.963 473.393 |
| 194         | 946            |                   | -                           | -     | 6.2         | 90° 20'        | -5.5            | -11.7                   |                         | 1638.8               |               | -463                    | -825                  | 1,132.801 473.105 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |          |   |      |               |              |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. C. Camp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 15            |              |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS  |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|----------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |          |  |
|             |                |                   |                             |       |             |                |                 |                         | 1650.5                  |                      |               |                         |                       |             |         |          |  |
| 195         | 1276           |                   | 227° 42'                    | +13.0 | 5.4         | 90° 24'        | -8.9            | -14.3                   |                         | 1636.2               |               | -624                    | -1113                 | 1,132,640   | 472,817 |          |  |
| 196         | 1606           |                   | - -                         | -     | 6.0         | 90° 24'        | -11.2           | -17.2                   |                         | 1633.3               |               | -786                    | -1401                 | 1,132,478   | 472,529 |          |  |
| 197         | 1936           |                   | - -                         | -     | 5.9         | 90° 24'        | -13.5           | -19.4                   |                         | 1631.1               |               | -947                    | -1688                 | 1,132,317   | 472,242 |          |  |
| 198         | 2265           |                   | 226° 59' 12"                | -     | 5.6         | 90° 30'        | -19.8           | -25.4                   | -25.2                   | 1625.3               | TP            | -1133                   | -1961                 | 1,132,131   | 471,969 |          |  |
| 198         | 2265           |                   | - -                         | -     | 5.3         | 269° 30'       | -19.8           | -25.1                   |                         |                      | TP            |                         |                       |             |         |          |  |
|             | 3956           |                   | 37° 58' 35"                 | +13.0 | 9.5         | BH             | +19.8           | +29.3                   | +29.0                   | 1654.3               | BS            | -2491                   | -3073                 |             |         |          |  |
|             | 3956           |                   |                             |       | 8.8         | BH 270         | +19.8           | +28.6                   |                         |                      | BS            |                         |                       |             |         |          |  |
| 199         | 3628           |                   | 38° 25'                     | -     | 6.0         | 90° 20'        | -21.1           | -27.1                   |                         | 1627.2               |               | +2263                   | +2836                 | 1,131,903   | 471,732 |          |  |
| 200         | 3300           |                   | 38° 26'                     | -     | 6.2         | 90° 24'        | -23.0           | -29.2                   |                         | 1625.1               |               | +2057                   | +2580                 | 1,131,697   | 471,476 |          |  |
| 201         | 2974           |                   | - -                         | -     | 6.8         | 90° 24'        | -20.8           | -27.6                   |                         | 1626.7               |               | +1854                   | +2325                 | 1,131,494   | 471,221 |          |  |
| 202         | 2647           |                   | 39° 03'                     | +13.0 | 6.4         | 90° 36'        | -27.7           | -34.1                   |                         | 1620.2               |               | +1628                   | +2087                 | 1,131,268   | 470,983 |          |  |
| 203         | 2317           |                   | 38° 54'                     | -     | 5.8         | 90° 54'        | -36.4           | -42.2                   |                         | 1612.1               |               | +1430                   | +1823                 | 1,131,070   | 470,719 |          |  |
| 204         | 1995           |                   | 40° 29'                     | -     | 6.4         | 91° 10'        | -40.6           | -47.0                   |                         | 1607.3               |               | +1187                   | +1603                 | 1,130,827   | 470,499 |          |  |
| 205         | 1675           |                   | 43° 03'                     | -     | 5.9         | 91° 24'        | -40.9           | -46.8                   |                         | 1607.5               |               | +935                    | +1389                 | 1,130,575   | 470,285 |          |  |
| 206         | 1359           | 1358.3            | 46° 34'                     | -     | 6.7         | 91° 50'        | -43.5           | -50.2                   |                         | 1604.1               |               | +688                    | +1171                 | 1,130,328   | 470,067 |          |  |
| 207         | 1052           | 1050.9            | 52° 19'                     | -     | 6.2         | 92° 36'        | -47.7           | -53.9                   |                         | 1600.4               |               | +439                    | +955                  | 1,130,079   | 469,851 |          |  |
| 208         | 760            | 758.3             | 61° 47'                     | -     | 6.0         | 93° 50'        | -50.8           | -56.8                   |                         | 1597.5               |               | +199                    | +732                  | 1,129,839   | 469,628 |          |  |
| 209         | 475            | 472.3             | 77° 18'                     | -     | 5.5         | 96° 10'        | -51.0           | -56.5                   |                         | 1592.8               |               | -2                      | +472                  | 1,129,638   | 469,368 |          |  |
| 210         | 310            | 305.3             | 121° 06'                    | -     | 6.8         | 100° -         | -53.8           | -60.6                   |                         | 1593.7               |               | -212                    | +219                  | 1,129,428   | 469,115 |          |  |
| Σ           | 0              |                   |                             | -     | 5.1         | -              |                 | -5.1                    |                         | 1649.2               | Σ             | 0                       | 0                     | 1,129,640   | 468,896 | OFF line |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                             |                        |                      |                                |               |            |
|-----------------|-----------------------------|------------------------|----------------------|--------------------------------|---------------|------------|
| DATE<br>2-19-86 | INSTRUMENT MAP<br>B Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S        | LINE NO.<br>4 | PAGE<br>16 |
| AREA<br>ARIZONA | TOPO MAP<br>SWANSEA-15'     | STATE<br>AZ.           | COUNTY<br>LA PAZ.    | TWP                            | RANGE         | PPM        |
|                 |                             |                        |                      | PARTY MANAGER<br>J. Mc CLELLAN |               |            |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS                   |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |                           |
|             |                |                   |                             |       |             |                |                 |                         | 1654.3                  |                      |               |                         |                       |             |         |                           |
| 211         | 416            | 412.0             | 173° 13'                    | +13.0 | 4.9         | 98° -          | -57.9           | -62.8                   |                         | 1591.5               |               | -410                    | -45                   | 1,129,230   | 468.851 |                           |
| Bm          | 648            | 645.4             | 192° 05' 28"                | -     | 6.9         | 95° 10'        | -58.4           | -65.3                   |                         | 1589.0               | Bm            | -584                    | -274                  | 1,129,056   | 468.622 | 35 DOR 1964 Bm EL. 1589.0 |
| 212         | 705            | 702.5             | 190° 20'                    | -     | 5.7         | 94° 50'        | -59.4           | -65.1                   |                         | 1589.2               |               | -645                    | -278                  | 1,128,995   | 468.618 |                           |
| 213         | 1012           | 1010.0            | 198° 15'                    | -     | 6.4         | 93° 34'        | -63.0           | -69.4                   |                         | 1584.9               |               | -863                    | -524                  | 1,128,777   | 468.372 |                           |
| 214         | 1334           | 1332.3            | 201° 10'                    | -     | 6.0         | 92° 56'        | -68.3           | -74.3                   |                         | 1580.0               |               | -1102                   | -748                  | 1,128,538   | 468.148 |                           |
| 215         | 1651           | 1649.5            | 205° 10'                    | -     | 6.4         | 92° 26'        | -70.1           | -76.5                   |                         | 1577.8               |               | -1297                   | -1019                 | 1,128,343   | 467.877 |                           |
| 216         | 1970           | 1968.6            | 207° 10'                    | +13.0 | 6.2         | 92° 08'        | -73.3           | -79.5                   |                         | 1574.8               |               | -1504                   | -1270                 | 1,128,136   | 467.626 |                           |
| 217         | 2267           | 2265.7            | 211° 02'                    | -     | 6.1         | 91° 56'        | -76.5           | -82.6                   |                         | 1571.7               |               | -1629                   | -1575                 | 1,128,011   | 467.321 |                           |
| 218         | 2550           | 2548.9            | 215° 01'                    | -     | 12.1        | 91° 40'        | -74.2           | -86.3                   |                         | 1568.0               |               | -1705                   | -1895                 | 1,127,935   | 467.001 |                           |
| 219         | 2824           | 2822.9            | 218° 16'                    | -     | 6.3         | 91° 38'        | -80.5           | -86.8                   |                         | 1567.5               |               | -1766                   | -2202                 | 1,127,874   | 466.694 |                           |
| 220         | 3150           | 3148.9            | 217° 28'                    | -     | 5.8         | 91° 32'        | -84.3           | -90.1                   |                         | 1564.2               |               | -2004                   | -2429                 | 1,127,636   | 466.467 |                           |
| 221         | 3475           | 3474.0            | 216° 22'                    | +13.0 | 6.8         | 91° 22'        | -82.9           | -89.7                   |                         | 1564.6               |               | -2262                   | -2636                 | 1,127,378   | 466.260 |                           |
| 222         | 3792           | 3791.0            | 214° 55'                    | -     | 5.6         | 91° 20'        | -88.2           | -93.8                   |                         | 1560.5               |               | -2541                   | -2814                 | 1,127,099   | 466.082 |                           |
| 223         | 4100           | 4099.0            | 213° 12'                    | -     | 6.6         | 91° 16'        | -90.6           | -97.2                   |                         | 1557.1               |               | -2837                   | -2959                 | 1,126,803   | 465.937 |                           |
| 224         | 4405           | 4404.1            | 211° 26'                    | -     | 13.4        | 91° 08'        | -87.1           | -100.5                  |                         | 1553.8               |               | -3145                   | -3083                 | 1,126,495   | 465.813 |                           |
| 225         | 4702           | 4701.1            | 209° 39' 11"                | -     | 13.4        | 91° 06'        | -90.3           | -103.7                  |                         |                      | TP            | -3458                   | -3185                 | 1,126,182   | 465.711 |                           |
| 225         | 4702           |                   |                             |       | 12.7        | 268° 54'       | -90.3           | -103.0                  | -103.3                  | 1551.0               | TP            |                         |                       |             |         |                           |
|             | 1458           |                   | 18° 32' 28"                 | +13.0 | 6.4         | 89° 30'        | -12.7           | -6.3                    | -6.4                    | 1544.6               | BS            | -1243                   | -763                  |             |         |                           |
|             | 1458           |                   |                             |       | 6.1         | 290° 30'       | -12.7           | -6.6                    |                         |                      | BS            |                         |                       |             |         |                           |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |    |          |   |      |               |              |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|----|----------|---|------|---------------|--------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | BS | LINE NO. | 4 | PAGE | 17            |              |
| AREA | ARIZ.   | TOPO MAP       | SWANSEA-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |    | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP  | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS  |  |
|----------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------------|-------------------------|-----------------------|-------------|---------|--|--|
|                |                |                   |                             |       |             |                |                 |                         |                         |                      |                |                         |                       | Y           | X       |  |  |
|                |                |                   |                             |       |             |                |                 |                         | 1544.6                  |                      |                |                         |                       |             |         |  |  |
| 226            | 1129           |                   | 19° 40'                     | +13.0 | 6.5         | 89° 32'        | +9.2            | +2.7                    |                         | 1547.3               |                | +950                    | +609                  | 1,125.889   | 465.557 |  |  |
| 227            | 800            |                   | 20° 34'                     | -     | 6.3         | 89° 36'        | +5.6            | -0.7                    |                         | 1543.9               |                | +667                    | +442                  | 1,125.606   | 465.390 |  |  |
| 228            | 470            |                   | 20° -                       | -     | 5.0         | 89° 36'        | +3.3            | -1.7                    |                         | 1542.9               |                | +394                    | +256                  | 1,125.333   | 465.204 |  |  |
| 229            | 151            |                   | 1° 30'                      | -     | 4.9         | 89° 36'        | +1.1            | -3.8                    |                         | 1540.8               |                | +146                    | +38                   | 1,125.085   | 464.986 |  |  |
| $\bar{\Delta}$ | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1539.5               | $\bar{\Delta}$ | 0                       | 0                     | 1,124.939   | 464.948 |  |  |
| 230            | 196            |                   | 220° 40'                    | +13.0 | 5.3         | 91° 10'        | -4.0            | -9.3                    |                         | 1535.3               | H              | -116                    | -158                  | 1,124.823   | 464.790 | WASH   |  |
| 231            | 489            |                   | 191° 45'                    | -     | 6.1         | 91° -          | -8.5            | -14.6                   |                         | 1530.0               | ↓              | -444                    | -205                  | 1,124.495   | 464.743 | ↓ WASH   |  |
| H              | 330            |                   | 200° 52' 48"                | -     | 10.7        | 90° 40'        | -3.8            | -14.5                   |                         | 1530.1               | ↓              | -274                    | -184                  | 1,124.665   | 464.764 | ↓ WASH<br>y = -1,124.675 x - 464.800<br>EL. 1520.0 |  |
| 232            | 814            |                   | 190° 20'                    | -     | 6.0         | 90° 30'        | -7.1            | -13.1                   |                         | 1531.5               |                | -747                    | -322                  | 1,124.192   | 464.626 |  |  |
| 233            | 1142           |                   | 192° 35'                    | -     | 6.8         | 90° 30'        | -10.0           | -16.8                   |                         | 1527.8               |                | -1030                   | -493                  | 1,123.909   | 464.455 |  |  |
| TP             | 1333           |                   | 193° 09' 20"                | -     | 10.8        | 90° 20'        | -7.8            | -18.6                   |                         |                      | TP             | -1196                   | -588                  | 1,123.743   | 464.360 |  |  |
| TP             | 1333           |                   |                             |       | 10.5        | 269° 40'       | -7.8            | -18.3                   | -18.3                   | 1526.2               | TP             |                         |                       |             |         |  |  |
|                | 2108           |                   | 24° 09' 14"                 | +13.0 | 14.0        | 89° 18'        | -25.8           | -11.8                   | -11.8                   | 1514.3               | BS             | -1680                   | -1273                 |             |         |  |  |
|                | 2108           |                   |                             |       | 13.7        | 270° 42'       | -25.8           | -12.1                   |                         |                      | BS             |                         |                       |             |         |  |  |
| 234            | 1968           |                   | 24° 23'                     | -     | 14.5        | 89° 17'        | +24.6           | +10.1                   |                         | 1524.4               |                | +1564                   | +1195                 | 1,123.627   | 464.282 |  |  |
| 235            | 1637           |                   | 23° 58'                     | -     | 13.2        | 89° 14'        | +21.9           | +8.7                    |                         | 1523.0               |                | +1308                   | +984                  | 1,123.371   | 464.071 |  |  |
| 236            | 1311           |                   | 22° 30'                     | -     | 6.4         | 89° 28'        | +12.2           | +5.8                    |                         | 1520.1               |                | +1067                   | +761                  | 1,123.130   | 463.848 |  |  |
| 237            | 982            |                   | 22° 10'                     | -     | 6.1         | 89° 20'        | +11.4           | +5.3                    |                         | 1519.6               |                | +803                    | +566                  | 1,122.866   | 463.653 |  |  |
| -H             | 908            |                   | 22° 33' 40"                 | -     | 5.9         | 89° 20'        | +10.6           | +4.7                    |                         | 1519.0               | -H             | +739                    | +528                  | 1,122.802   | 463.615 | y = 1,122.825 x - 463.670<br>T-TRAIL               |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |      |          |   |      |               |             |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|-------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S. | LINE NO. | 4 | PAGE | 18            |             |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  |               |             |
|      |         |                |             |         |             |              |        |                  |      |          |   |      | PARTY MANAGER | J. McLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1514.3                  |                      |               |                         |                       |             |         |         |  |
| 238         | 655            |                   | 25° 20'                     | +13.0 | 6.1         | 89° 20'        | +7.6            | +1.5                    |                         | 1515.8               |               | +514                    | +406                  | 1,122,577   | 463,493 |         |  |
| 239         | 330            |                   | 31° 10'                     | -     | 6.4         | 89° 20'        | +3.8            | -2.6                    |                         | 1511.7               |               | +237                    | +230                  | 1,122,300   | 463,317 |         |  |
| 240         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1509.2               | TP            | 0                       | 0                     | 1,122,063   | 463,087 |         |  |
| 241         | 330            |                   | 207° 30'                    | -     | 5.7         | 90° 50'        | -4.8            | -10.5                   |                         | 1503.8               |               | -251                    | -214                  | 1,121,812   | 462,873 |         |  |
| 242         | 660            |                   | -                           | -     | 5.6         | 90° 40'        | -7.7            | -13.3                   |                         | 1501.0               |               | -502                    | -429                  | 1,121,561   | 462,658 |         |  |
| 243         | 990            |                   | 206° 50'                    | +13.0 | 5.1         | 90° 40'        | -11.5           | -16.6                   |                         | 1497.7               |               | -760                    | -634                  | 1,121,303   | 462,453 |         |  |
| 244         | 1319           |                   | 205° 50'                    | -     | 5.2         | 90° 40'        | -15.3           | -20.5                   |                         | 1493.8               |               | -1027                   | -827                  | 1,121,036   | 462,260 |         |  |
| 245         | 1649           |                   | 205° 22'                    | -     | 6.4         | 90° 36'        | -17.3           | -23.7                   |                         | 1490.6               |               | -1293                   | -1024                 | 1,120,770   | 462,063 |         |  |
| 246         | 1980           |                   | 204° 50'                    | -     | 6.0         | 90° 36'        | -20.7           | -26.7                   |                         | 1487.6               |               | -1564                   | -1214                 | 1,120,499   | 461,873 |         |  |
| 247         | 2310           |                   | 204° 32'                    | -     | 6.0         | 90° 30'        | -20.2           | -26.2                   |                         | 1488.1               |               | -1832                   | -1407                 | 1,120,231   | 461,680 |         |  |
| TP          | 2561           |                   | 205° 16' 17"                | -     | 3.8         | 90° 30'        | -22.3           | -26.1                   | } 2593                  | 1488.4               | TP            | -2011                   | -1586                 | 1,120,052   | 461,501 |         |  |
| TP          | 2561           |                   |                             |       | 3.5         | 269° 30'       | -22.3           | -25.8                   |                         |                      | TP            |                         |                       |             |         |         |  |
|             | 3319           |                   | 22° 13' 40"                 | +13.0 | 14.5        | TH             | -16.6           | -2.1                    | } 2353                  | 1486.1               | BS            | -2711                   | -1914                 |             |         |         |  |
|             | 3319           |                   |                             |       | 14.0        | TH 220         | -16.6           | -2.6                    |                         |                      | BS            |                         |                       |             |         |         |  |
| 248         | 3246           |                   | 21° 50'                     | -     | 6.3         | 89° 52'        | +7.6            | +1.3                    |                         | 1487.4               |               | +2664                   | +1854                 | 1,120,005   | 461,441 |         |  |
| 249         | 2923           |                   | 20° 38'                     | -     | 6.4         | 89° 56'        | +3.4            | -3.0                    |                         | 1483.1               |               | +2434                   | +1619                 | 1,119,775   | 461,206 |         |  |
| 250         | 2598           |                   | 19° 28'                     | -     | 6.5         | 90° 02'        | -1.5            | -8.0                    |                         | 1478.1               |               | +2192                   | +1395                 | 1,119,533   | 460,982 |         |  |
| 251         | 2274           |                   | 17° 42'                     | -     | 6.6         | 90° 06'        | -4.0            | -10.6                   |                         | 1475.5               |               | +1955                   | +1161                 | 1,119,296   | 460,748 |         |  |
| 252         | 1955           |                   | 15° 46'                     | -     | 6.3         | 90° 14'        | -8.0            | -14.3                   |                         | 1471.8               |               | +1714                   | +941                  | 1,119,055   | 460,528 |         |  |
| 253         | 1627           |                   | 16° 46'                     | -     | 5.9         | 90° 26'        | -12.3           | -18.2                   |                         | 1467.9               |               | +1412                   | +808                  | 1,118,753   | 460,395 |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                             |                        |                      |                         |                               |            |
|-----------------|-----------------------------|------------------------|----------------------|-------------------------|-------------------------------|------------|
| DATE<br>2-19-86 | INSTRUMENT MAN<br>B. Cotamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S | LINE NO.<br>4                 | PAGE<br>19 |
| AREA<br>ARIZONA | TOPO MAP<br>SWANSEA-15'     | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                     | RANGE                         | PPM        |
|                 |                             |                        |                      |                         | PARTY MANAGER<br>J. McCLELLAN |            |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS   |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |   |
|             |                |                   |                             |       |             |                |                 |                         | 1486.1                  |                      |               |                         |                       |             |         |   |
| 254         | 1298           |                   | 17° 14'                     | +13.0 | 6.3         | 96° 40'        | -15.1           | -21.4                   |                         | 1464.7               |               | + 1121                  | +654                  | 1,118,462   | 460,241 |   |
| 255         | 971            |                   | 15 -                        | -     | 5.2         | 91 -           | -16.9           | -22.1                   |                         | 1464.0               |               | + 857                   | +456                  | 1,118,198   | 460,043 |   |
| 256         | 645            |                   | 11° 52'                     | -     | 5.9         | 91° 40'        | -18.8           | -24.7                   |                         | 1461.4               |               | + 585                   | +271                  | 1,117,926   | 459,858 |   |
| 257         | 350            |                   | 354° 24'                    | -     | 6.2         | 93° 26'        | -21.0           | -27.2                   |                         | 1458.9               |               | + 347                   | +45                   | 1,117,688   | 459,632 |   |
| TP          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1481.0               | TP            | 0                       | 0                     | 1,117,341   | 459,587 |   |
| 258         | 229            |                   | 288° 55'                    | +13.0 | 5.0         | 96 -           | -23.9           | -28.9                   |                         | 1457.2               |               | + 121                   | -194                  | 1,117,462   | 459,393 |   |
| 259         | 418            |                   | 237 -                       | -     | 5.0         | 93° 40'        | -26.7           | -31.7                   |                         | 1454.4               |               | -143                    | -393                  | 1,117,198   | 459,194 |   |
| 260         | 723            |                   | 232 -                       | -     | 5.2         | 92° 16'        | -27.3           | -32.5                   |                         | 1453.6               |               | - 306                   | -655                  | 1,117,035   | 458,932 |   |
| 261         | 1641           |                   | 237° 50'                    | -     | 6.0         | 91° 44'        | -31.5           | -37.5                   |                         | 1448.6               |               | - 342                   | -983                  | 1,116,999   | 458,604 |   |
| Bm          | 928            |                   | 249° 50' 08"                | -     | 6.9         | 91° 44'        | -28.1           | -35.0                   |                         | 1451.1               | Bm            | -116                    | -920                  | 1,117,225   | 458,667 | 9-1,117,225 x -458,670<br>U.S.C+G.S. S-280 EL. 1451.0<br>1948 |
| 262         | 1350           |                   | 233° 40'                    | +13.0 | 6.3         | 91° 30'        | -35.3           | -41.6                   |                         | 1444.5               |               | - 535                   | -1240                 | 1,116,806   | 458,347 |   |
| 263         | 1661           |                   | 229° 38'                    | -     | 4.8         | 91° 18'        | -37.7           | -42.5                   |                         | 1443.6               |               | - 764                   | -1475                 | 1,116,577   | 458,112 |   |
| 264         | 1978           |                   | 226° 52'                    | -     | 5.2         | 91° 18'        | -44.9           | -50.1                   |                         | 1436.0               |               | - 993                   | -1711                 | 1,116,348   | 457,876 |   |
| 265         | 2270           |                   | 222° 52'                    | -     | 6.3         | 91° 18'        | -51.5           | -57.8                   |                         | 1428.3               |               | - 1274                  | -1879                 | 1,116,067   | 457,708 |   |
| 266         | 2582           |                   | 220° 20'                    | -     | 6.5         | 91° 04'        | -48.1           | -54.6                   |                         | 1431.5               |               | - 1542                  | -2071                 | 1,115,799   | 457,516 |   |
| 267         | 2909           |                   | 219° 28'                    | -     | 5.8         | 91 -           | -50.8           | -56.6                   |                         | 1429.5               |               | -1772                   | -2307                 | 1,115,569   | 457,280 |   |
| 268         | 3224           |                   | 217° 40'                    | -     | 6.7         | 90° 56'        | -52.5           | -59.2                   |                         | 1426.9               |               | - 2043                  | -2494                 | 1,115,298   | 457,093 |   |
| 269         | 3526           |                   | 215° 27'                    | -     | 14.5        | 90° 48'        | -49.2           | -63.7                   |                         | 1422.4               |               | - 2339                  | -2639                 | 1,115,002   | 456,948 |   |
| TP          | 3710           |                   | 214° 19' 16"                | +12.7 | 12.9        | 90° 48'        | -51.8           | -64.7                   |                         |                      | TP            | -2529                   | -2714                 | 1,114,812   | 456,873 |   |
| TP          | 3710           |                   |                             |       | 12.4        | 269° 12'       | -51.8           | -64.2                   |                         | 1421.7               | TP            |                         |                       |             |         |   |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |               |         |             |              |        |                  |     |               |              |      |    |
|------|---------|----------------|---------------|---------|-------------|--------------|--------|------------------|-----|---------------|--------------|------|----|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp    | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4            | PAGE | 20 |
| AREA | ARIZONA | TOPO MAP       | SWANSEA - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. McCLELLAN |      |    |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1421.7                  |                      |               |                         |                       |             |         |         |  |
|             | 957            |                   | 354 24 12                   | +12.7 | 9.1         | 89 -           | -16.7           | -7.6                    | } 7.73 1414.0           |                      | BS            | -950                    | -118                  |             |         |         |  |
|             | 957            |                   |                             |       | +8.8        | 271 -          | -16.7           | -7.9                    |                         | BS                   |               |                         |                       |             |         |         |  |
| 270         | 823            |                   | 353 26                      | -     | 6.3         | 89 26          | +8.1            | +1.8                    |                         | 1415.8               |               | +818                    | +88                   | 1,114.686   | 456.843 |         |  |
| 271         | 496            |                   | 354 12                      | -     | 4.9         | 89 10          | +7.2            | +2.3                    |                         | 1416.3               |               | +492                    | +60                   | 1,114.354   | 456.815 |         |  |
| 272         | 166            |                   | 351 40                      | -     | 5.9         | 89 10          | +2.4            | -3.5                    |                         | 1410.5               |               | +166                    | +13                   | 1,114.028   | 456.768 |         |  |
| Σ           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1408.9               | Σ             | 0                       | 0                     | 1,113.862   | 456.755 |         |  |
| 273         | 168            |                   | 194 05                      | +12.7 | 6.2         | 90 40          | -2.0            | -8.2                    |                         | 1405.8               |               | -150                    | -76                   | 1,113.712   | 456.679 |         |  |
| 274         | 498            |                   | 196 45                      | -     | 4.8         | 90 40          | -5.8            | -10.6                   |                         | 1403.4               |               | -434                    | -245                  | 1,113.428   | 456.516 |         |  |
| 275         | 827            |                   | 198 05                      | -     | 6.2         | 90 30          | -7.2            | -13.4                   |                         | 1400.6               |               | -710                    | -423                  | 1,113.152   | 456.332 |         |  |
| 276         | 1157           |                   | 196 22 58                   | -     | 9.7         | 90 20          | -6.7            | -16.4                   | }                       |                      | TP            | -1011                   | -562                  | 1,112.851   | 456.193 |         |  |
| 276         | 1157           |                   |                             |       | 9.6         | 289 40         | -6.7            | -16.3                   |                         | TP                   | 1397.7        |                         |                       |             |         |         |  |
|             | 1133           |                   | 353 39 22                   | +12.7 | 10.4        | -              |                 | +16.4                   | }                       | 1408.1               | BS            | -1126                   | -125                  |             |         |         |  |
|             | 1133           |                   |                             |       | +10.3       | 276 -          |                 | +10.3                   |                         | BS                   |               |                         |                       |             |         |         |  |
| 277         | 800            |                   | 353 25                      | -     | 6.3         | 90 34          | -7.9            | -14.2                   |                         | 1393.9               |               | +795                    | +85                   | 1,112.520   | 456.153 |         |  |
| 278         | 472            |                   | 354 50                      | -     | 6.3         | 90 44          | -6.0            | -12.3                   |                         | 1395.8               |               | +468                    | +62                   | 1,112.193   | 456.130 |         |  |
| 279         | 162            |                   | 332 25                      | -     | 5.6         | 93 -           | -8.5            | -14.1                   |                         | 1394.0               |               | +157                    | -42                   | 1,111.882   | 456.026 |         |  |
| Σ           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1403.0               | Σ             | 0                       | 0                     | 1,111.725   | 456.068 |         |  |
| Bm          | 56             | 55.1              | 290 27 38                   | -     | 6.0         | 100 21         | -10.1           | -10.1                   |                         | 1398.0               | Bm            | +30                     | -46                   | 1,111.755   | 456.022 |         | 5-1,111,725 X-456,085<br>U.S.C+6.5 pm El, 1398.0<br>T-280 1948 |
| 280         | 247            |                   | 229 40                      | -     | 5.4         | 92 40          | -11.5           | -16.9                   |                         | 1391.2               |               | -115                    | -219                  | 1,111.610   | 455.849 |         |  |
| 281         | 574            |                   | 224 -                       | -     | 4.9         | 91 30          | -15.0           | -19.9                   |                         | 1388.2               |               | -315                    | -480                  | 1,111.410   | 455.586 |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                              |                        |                      |                         |                                |            |
|-----------------|------------------------------|------------------------|----------------------|-------------------------|--------------------------------|------------|
| DATE<br>2-19-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S | LINE NO.<br>4                  | PAGE<br>21 |
| AREA<br>ARIZONA | TOPO MAP<br>SWANSEA - 15'    | STATE<br>AZ.           | COUNTY<br>LA PAZ.    | TWP                     | RANGE                          | PPM        |
|                 |                              |                        |                      |                         | PARTY MANAGER<br>J. Mc CLELLAN |            |

| 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<br>X<br>TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES |         | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.          | Y           | X       |         |
|             |                |                   |                             |       |             |                |                 |                         | 1408.1                  |                      |               |                 |               |             |         |         |
| 282         | 963            |                   | 226 10'                     | +12.7 | 6.3         | 91° -          | -15.8           | -22.1                   |                         | 1386.0               |               | -467            | -773          | 1,111,258   | 455,295 |         |
| 283         | 1233           |                   | - -                         | -     | 6.3         | 90° 50'        | -17.9           | -24.2                   |                         | 1383.9               |               | -638            | -1055         | 1,111,087   | 455,013 |         |
| 284         | 1563           |                   | - -                         | -     | 6.0         | 91° -          | -27.3           | -33.3                   |                         | 1374.8               |               | -868            | -1338         | 1,110,917   | 454,730 |         |
| 285         | 1893           |                   | 225 45'                     | -     | 4.7         | 90° 48'        | -26.4           | -31.1                   |                         | 1377.0               |               | -991            | -1613         | 1,110,734   | 454,455 |         |
| 286         | 2220           |                   | 224 51 27                   | -     | 7.3         | 90° 40'        | -25.8           | -33.1                   | } -33.0 1/2             | 1375.1               | TP            | -1191           | -1873         | 1,110,531   | 454,192 |         |
| 286         | 2220           |                   |                             |       | 7.0         | 269 20         | -25.8           | -32.8                   |                         | TP                   | -3            | -3              |               |             |         |         |
|             | 1649           |                   | 25 47 54                    | +12.7 | 4.4         | TH             | -8.2            | -3.8                    | } -3.9 1/2 1371.2       |                      | BS            | -1291           | -1026         |             |         |         |
|             | 1649           |                   |                             | +4.2  | TH 270      | -8.2           | -4.0            | BS                      |                         | -3                   | -3            |                 |               |             |         |         |
| 287         | 1320           |                   | 24 40'                      | -     | 5.8         | TH             | +6.6            | +0.8                    |                         | 1372.0               |               | +1049           | +801          | 1,110,286   | 453,964 |         |
| 288         | 990            |                   | - -                         | -     | 5.4         | TH             | +5.0            | -0.4                    |                         | 1370.8               |               | +787            | +601          | 1,110,024   | 453,764 |         |
| 289         | 660            |                   | - -                         | -     | 5.8         | TH             | +3.3            | -2.5                    |                         | 1368.7               |               | +525            | +401          | 1,109,762   | 453,546 |         |
| 290         | 330            |                   | - -                         | -     | 6.1         | -              |                 | -6.1                    |                         | 1365.1               |               | +262            | +200          | 1,109,499   | 453,363 |         |
| 291         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1366.1               | π             | 0               | 0             | 1,109,237   | 453,163 |         |
| 292         | 330            |                   | 186 32                      | +12.7 | 5.0         | 90° 50'        | -4.8            | -9.8                    |                         | 1361.4               |               | -312            | -109          | 1,108,925   | 453,054 |         |
| 293         | 660            |                   | - -                         | -     | 6.1         | 91° -          | -11.5           | -17.6                   |                         | 1353.6               |               | -623            | -217          | 1,108,614   | 452,946 |         |
| 294         | 990            |                   | - -                         | -     | 4.8         | 91° -          | -17.3           | -22.1                   |                         | 1349.1               |               | -935            | -326          | 1,108,302   | 452,837 |         |
| 295         | 1320           |                   | - -                         | -     | 6.0         | 90° 50'        | -19.2           | -25.2                   |                         | 1346.0               |               | -1246           | -435          | 1,107,991   | 452,728 |         |
| 296         | 1652           |                   | - -                         | -     | 4.3         | 90° 50'        | -24.0           | -28.3                   |                         | 1342.9               |               | -1560           | -544          | 1,107,677   | 452,619 |         |
| 297         | 1982           |                   | - -                         | -     | 3.4         | 90° 50'        | -28.8           | -32.2                   |                         | 1339.0               |               | -1871           | -653          | 1,107,366   | 452,510 |         |
| 298         | 2311           |                   | 186 48'                     | -     | 6.3         | 90° 40'        | -26.9           | -33.2                   |                         | 1338.0               |               | -2178           | -771          | 1,107,059   | 452,392 |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |              |         |             |              |         |                  |    |               |   |      |              |
|------|---------|----------------|--------------|---------|-------------|--------------|---------|------------------|----|---------------|---|------|--------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp   | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834    | NOTES CHECKED BY | BS | LINE NO.      | 4 | PAGE | 22           |
| AREA | ARIZONA | TOPO MAP       | SWANSEA -15' | STATE   | AZ.         | COUNTY       | LA PAZ. | TWP              |    | RANGE         |   | PPM  |              |
|      |         |                |              |         |             |              |         |                  |    | PARTY MANAGER |   |      | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|----------------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                                  |                      |               |                         |                       | Y           | X       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1371.2                           |                      |               |                         |                       |             |         |         |  |
| TP          | 2471           |                   | 186 49 -                    | +12.7 | 9.3         | 90 30          | -21.6           | -30.9                   | } 30.6 }<br>} 21.2 }<br>} 1319.4 |                      | TP            | -2329                   | -825                  | 1,106,905   | 452,335 |         |  |
| TP          | 2471           |                   |                             |       | 8.8         | 269 30         | -21.6           | -30.4                   |                                  |                      | 1340.6        | TP                      | -3                    | -3          |         |         |  |
|             | 2492           |                   | 30 01 08                    | --    | 7.9         | 89 20          | -29.0           | -21.1                   |                                  |                      |               | BS                      | -1831                 | -1690       |         |         |  |
|             | 2492           |                   |                             |       | 7.6         | 270 40         | -29.0           | -21.4                   |                                  |                      | BS            | -3                      | -3                    |             |         |         |  |
| 299         | 2311           |                   | 29 30                       | --    | 3.3         | 89 30          | +20.2           | +16.9                   |                                  | 1336.3               |               | + 1712                  | +1552                 | 1,106,783   | 452,194 |         |  |
| 300         | 1980           |                   | - -                         | -     | 6.4         | 89 24          | +20.7           | +14.3                   |                                  | 1333.7               |               | + 1467                  | +1330                 | 1,106,538   | 451,972 |         |  |
| 301         | 1650           |                   | - -                         | --    | 6.8         | 89 24          | +17.3           | +10.5                   |                                  | 1329.9               |               | + 1222                  | +1108                 | 1,106,293   | 451,750 |         |  |
| 302         | 1320           |                   | - -                         | --    | 5.0         | 89 30          | +11.5           | +6.5                    |                                  | 1325.9               |               | + 978                   | + 887                 | 1,106,049   | 451,529 |         |  |
| 303         | 990            |                   | 29 30                       | +12.7 | 4.7         | 89 30          | +8.6            | +3.9                    |                                  | 1323.3               |               | +733                    | +665                  | 1,105,804   | 451,307 |         |  |
| 304         | 660            |                   | - -                         | -     | 4.5         | 89 30          | +5.8            | +1.3                    |                                  | 1320.7               |               | + 489                   | +443                  | 1,105,560   | 451,085 |         |  |
| 305         | 330            |                   | - -                         | -     | 4.8         | 89 30          | +2.9            | -1.9                    |                                  | 1317.5               |               | + 244                   | +222                  | 1,105,315   | 450,864 |         |  |
| 306         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                                  | 1314.3               | X             | 0                       | 0                     | 1,105,071   | 450,642 |         |  |
| 307         | 330            |                   | 206 -                       | -     | 6.2         | 90 30          | -2.9            | -9.1                    |                                  | 1310.3               |               | - 258                   | -206                  | 1,104,813   | 450,436 |         |  |
| 308         | 660            |                   | - -                         | -     | 6.9         | 90 30          | -5.8            | -12.7                   |                                  | 1306.7               |               | - 515                   | -413                  | 1,104,556   | 450,229 |         |  |
| 309         | 990            |                   | - -                         | -     | 6.6         | 90 30          | -8.6            | -15.2                   |                                  | 1304.2               |               | - 773                   | -619                  | 1,104,298   | 450,023 |         |  |
| 310         | 1320           |                   | - -                         | -     | 6.4         | 90 30          | -11.5           | -17.9                   |                                  | 1301.5               |               | - 1030                  | - 825                 | 1,104,041   | 449,817 |         |  |
| 311         | 1650           |                   | 206 -                       | +12.7 | 6.5         | 90 30          | -14.4           | -20.9                   |                                  | 1298.5               |               | - 1288                  | -1032                 | 1,103,783   | 449,610 |         |  |
| 312         | 1980           |                   | - -                         | -     | 6.9         | 90 30          | -17.3           | -24.2                   |                                  | 1295.2               |               | - 1545                  | -1238                 | 1,103,526   | 449,404 |         |  |
| 313         | 2310           |                   | 205 30                      | -     | 6.3         | 90 32          | -21.5           | -27.8                   |                                  | 1291.6               |               | - 1815                  | -1429                 | 1,103,256   | 449,213 |         |  |
| TP          | 2387           |                   | 205 27 22                   | -     | 6.5         | 90 30          | -20.8           | -27.3                   |                                  | 1292.1               | TP            | -1877                   | -1475                 | 1,103,191   | 449,164 |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |     |          |   |      |               |               |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|---------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 23            |               |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. Mc Clellan |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS   |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |   |  |
|             |                |                   |                             |       |             |                |                 |                         |                         | 1292.1               |               |                 |       |               |         |             |  |   |  |
|             | 1023           |                   | 18° 24' 03"                 | +12.7 | 3.1         | TH             | -5.1            | -2.0                    | 1290.1                  |                      | BS            | -876            | -528  |               |         |             |  |   |  |
|             | 1023           |                   |                             |       | 3.0         | TH 220         | -5.1            | -2.1                    |                         |                      | BS            | -3              | -3    |               |         |             |  |   |  |
| 314         | 769            |                   | 18° 25'                     | -     | 6.2         | 89° 40'        | +4.5            | -1.7                    |                         | 1288.4               |               | +658            | +397  | 1,102,970     | 449,030 |             |  |   |  |
| 315         | 439            |                   | 19° 25'                     | -     | 5.8         | 89° 40'        | +2.6            | -3.2                    |                         | 1286.9               |               | +372            | +233  | 1,102,684     | 448,866 |             |  |   |  |
| 316         | 111            |                   | 16° 20'                     | -     | 5.9         | 89° 40'        | +0.6            | -5.3                    |                         | 1284.8               |               | +97             | +54   | 1,102,409     | 448,687 |             |  |   |  |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1285.0               | X             | 0               | 0     | 1,102,312     | 448,633 |             |  |   |  |
| 317         | 226            |                   | 220° 14'                    | +12.7 | 6.5         | 90° 40'        | -2.6            | -9.1                    |                         | 1281.0               |               | -136            | -180  | 1,102,176     | 448,453 |             |  |   |  |
| Bm          | 515            |                   | 215° 03' 33"                | -     | 4.0         | 90° 40'        | -6.0            | -10.0                   |                         | 1280.1               | Bm            | -346            | -381  | 1,101,966     | 448,252 |             |  | S-1,101,990 X-448,285<br>U.S.C.+G.S.V-280 EL.1280.0<br>1948 |  |
| 318         | 556            |                   | 220° 14'                    | -     | 6.5         | 90° 30'        | -4.9            | -11.4                   |                         | 1278.7               |               | -335            | -444  | 1,101,977     | 448,189 |             |  |   |  |
| 319         | 886            |                   | - -                         | -     | 6.7         | 90° 30'        | -7.7            | -14.4                   |                         | 1275.7               |               | -534            | -707  | 1,101,778     | 447,926 |             |  |   |  |
| 320         | 1216           |                   | - -                         | -     | 6.4         | 90° 30'        | -10.6           | -17.0                   |                         | 1273.1               |               | -733            | -970  | 1,101,579     | 447,663 |             |  |   |  |
| 321         | 1546           |                   | - -                         | -     | 7.1         | 90° 30'        | -13.5           | -20.6                   |                         | 1269.5               |               | -932            | -1234 | 1,101,380     | 447,399 |             |  |   |  |
| 322         | 1876           |                   | 220° 14'                    | +12.7 | 5.7         | 90° 34'        | -18.6           | -24.3                   |                         | 1265.8               |               | -1131           | -1497 | 1,101,181     | 447,136 |             |  |   |  |
| 323         | 2206           |                   | - -                         | -     | 5.8         | 90° 34'        | -21.8           | -27.6                   |                         | 1262.5               |               | -1330           | -1760 | 1,100,982     | 446,873 |             |  |   |  |
| 324         | 2536           |                   | - -                         | -     | 6.4         | 90° 34'        | -25.1           | -31.5                   |                         | 1258.6               |               | -1529           | -2024 | 1,100,783     | 446,609 |             |  |   |  |
| 325         | 2866           |                   | - -                         | -     | 6.4         | 90° 34'        | -28.3           | -34.7                   |                         | 1255.4               |               | -1727           | -2287 | 1,100,585     | 446,346 |             |  |   |  |
| 326         | 3196           |                   | - -                         | -     | 6.5         | 90° 34'        | -31.6           | -38.1                   |                         | 1252.0               |               | -1926           | -2550 | 1,100,386     | 446,083 |             |  |   |  |
| 327         | 3526           |                   | 220° 02'                    | -     | 5.0         | 90° 36'        | -36.9           | -41.9                   |                         | 1248.2               |               | -2135           | -2806 | 1,100,177     | 445,827 |             |  |   |  |
| TP          | 3645           |                   | 219° 52' 58"                | +13.0 | 10.0        | 90° 30'        | -31.8           | -41.8                   | 41.53                   |                      | TP            | -2199           | -2906 | 1,100,116     | 445,724 |             |  |   |  |
| TP          | 3645           |                   |                             |       | 9.5         | 269° 30'       | -31.8           | -41.3                   |                         |                      | 1248.6        | TP              | -3    | -3            |         |             |  |   |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |     |               |              |      |    |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|-----|---------------|--------------|------|----|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4            | PAGE | 24 |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. McCLELLAN |      |    |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS   |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |   |
|             |                |                   |                             |       |             |                |                 |                         |                         | 1248.6               |               |                         |                       |             |         |   |
|             | 1018           |                   | 30° 53' 03"                 | +13.0 | 4.9         | 89° 30'        | -8.9            | -4.0                    | 1244.6                  |                      | BS            | -734                    | -706                  |             |         |   |
|             | 1018           |                   |                             |       | 4.8         | 270° 30'       | -8.9            | -4.1                    |                         | BS                   | -3            | -3                      |                       |             |         |   |
| 328         | 809            |                   | 33° 05'                     | -     | 5.6         | 89° 30'        | +7.1            | +1.5                    |                         | 1246.1               |               | +561                    | +583                  | 1,099,934   | 445.598 |   |
| 329         | 481            |                   | 35° 50'                     | -     | 6.0         | 89° 20'        | +5.6            | -0.4                    |                         | 1244.2               |               | +317                    | +362                  | 1,099,690   | 445.377 |   |
| 330         | 151            |                   | - -                         | -     | 5.8         | 89° 20'        | +1.8            | -4.0                    |                         | 1240.6               |               | +99                     | +114                  | 1,099,472   | 445.129 |   |
| K           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1239.5               | K             | 0                       | 0                     | 1,099,373   | 445.015 |   |
| 331         | 179            |                   | 216 -                       | +13.0 | 5.3         | 90° 20'        | -1.0            | -6.3                    |                         | 1238.3               |               | -117                    | -135                  | 1,099,256   | 444.880 |   |
| 332         | 509            |                   | - -                         | -     | 5.7         | 90° 20'        | -3.0            | -8.7                    |                         | 1235.9               |               | -334                    | -384                  | 1,099,039   | 444.631 |   |
| 333         | 839            |                   | - -                         | -     | 5.7         | 90° 20'        | -4.9            | -10.6                   |                         | 1234.0               |               | -550                    | -633                  | 1,098,823   | 444.382 |   |
| 334         | 1168           |                   | 214 -                       | -     | 5.2         | 90° 26'        | -8.8            | -14.0                   |                         | 1230.6               |               | -797                    | -854                  | 1,098,576   | 444.161 |   |
| Bm          | 1371           |                   | 210° 57' 06"                | +13.0 | 11.3        | 90° 10'        | -4.0            | -15.3                   |                         | 1229.3               | Bm            | -987                    | -952                  | 1,098,386   | 444.063 | y=1,098,405 x=444,085<br>U.S.C.+G.S. W-280 EL. 1230.0<br>1948 |
| 335         | 1492           |                   | 212° 36'                    | -     | 14.5        | 90° 08'        | -3.5            | -18.0                   |                         | 1226.6               |               | -1044                   | -1066                 | 1,098,329   | 443.949 |   |
| 336         | 1817           |                   | 214° 26' 16"                | -     | 10.1        | 90° 20'        | -10.6           | -20.7                   | -20.63                  | 1224.0               | TP            | -1229                   | -1338                 | 1,098,441   | 443.674 |   |
| 336         | 1817           |                   |                             |       | 9.8         | 269° 40'       | -10.6           | -20.4                   |                         | TP                   | -3            | -3                      |                       |             |         |   |
|             | 1904           |                   | 60° 18' 03"                 | +13.0 | 11.4        | -              |                 | +11.4                   | +11.33                  | 1235.3               | BS            | -547                    | -1824                 |             |         |   |
|             | 1904           |                   |                             |       | 11.1        | 270°           |                 | +11.1                   |                         | BS                   | -3            | -3                      |                       |             |         |   |
| 337         | 1585           |                   | 58° 35'                     | -     | 14.6        | 90° 02'        | -0.9            | -15.5                   |                         | 1219.8               |               | +501                    | +1504                 | 1,098,092   | 443.351 |   |
| 338         | 1336           |                   | 50° 13'                     | -     | 6.4         | 90° 34'        | -13.2           | -19.6                   |                         | 1215.7               |               | +602                    | +1193                 | 1,098,193   | 443.040 |   |
| 339         | 1095           |                   | 39° 35'                     | -     | 6.0         | 90° 26'        | -8.3            | -14.3                   |                         | 1221.0               |               | +665                    | +870                  | 1,098,256   | 442.717 |   |
| 340         | 814            |                   | 29° 10'                     | -     | 6.3         | 90° 26'        | -6.2            | -12.5                   |                         | 1222.8               |               | +603                    | +546                  | 1,098,194   | 442.393 |   |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |               |         |             |              |        |                  |      |          |   |      |               |               |
|------|---------|----------------|---------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|---------------|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp    | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S. | LINE NO. | 4 | PAGE | 25            |               |
| AREA | ARIZONA | TOPO MAP       | SWANSEA - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. M. CLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS   |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |   |  |
|             |                |                   |                             |       |             |                |                 |                         | 1235.3                  |                      |               |                         |                       |             |         |   |  |
| 341         | 511            |                   | 18°                         | +13.0 | 5.3         | 90° 20'        | -3.0            | -8.3                    |                         | 1227.0               |               | +438                    | +263                  | 1,098,629   | 442.110 |   |  |
| 342         | 206            |                   | 355° 50'                    | -     | 4.9         | -              |                 | -4.9                    |                         | 1230.4               |               | +204                    | +32                   | 1,097,795   | 441,879 | waterway  |  |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1230.2               | *             | 0                       | 0                     | 1,097,591   | 441,847 |   |  |
| 343         | 186            |                   | 241° 30'                    | -     | 5.0         | 90° 50'        | -2.7            | -7.7                    |                         | 1227.6               |               | -50                     | -179                  | 1,097,541   | 441,668 |   |  |
| 344         | 471            |                   | 209° 20'                    | -     | 4.1         | 92°            | -16.4           | -20.5                   |                         | 1214.8               |               | -348                    | -317                  | 1,097,243   | 441,530 |   |  |
| 345         | 771            |                   | 196°                        | -     | 4.3         | 92°            | -26.9           | -31.2                   |                         | 1204.1               |               | -674                    | -374                  | 1,096,917   | 441,473 |   |  |
| 346         | 1099           |                   | 195° 10'                    | -     | 6.1         | 91° 42'        | -32.6           | -38.7                   |                         | 1196.6               |               | -969                    | -519                  | 1,096,622   | 441,328 |   |  |
| 347         | 1415           |                   | 198° 53' 40"                | -     | 6.6         | 91° 30'        | -37.0           | -43.6                   | -43.5'                  | 1191.8               | TP            | -1201                   | -747                  | 1,096,387   | 441,097 |   |  |
| 347         | 1415           |                   |                             |       | 6.3         | 268° 30'       | -37.0           | -43.3                   |                         | TP                   |               |                         | -3                    | -3          |         |   |  |
|             | 2312           |                   | 41° 27' 45"                 | +13.0 | 4.0         | 89° 30'        | -20.2           | -16.2                   | -16.4' 1175.4           |                      | BS            | -1344                   | -1881                 |             |         |   |  |
|             | 2312           |                   |                             | +3.7  | 270° 30'    | -20.2          | -16.5           | BS                      |                         |                      |               |                         | -3                    | -3          |         |   |  |
| 348         | 1980           |                   | 41° 30'                     | -     | 5.6         | 89° 26'        | +19.6           | +14.0                   |                         | 1189.4               |               | +1150                   | +1612                 | 1,096,190   | 440,825 |   |  |
| 349         | 1650           |                   | -                           | -     | 5.8         | 89° 26'        | +16.3           | +10.5                   |                         | 1185.9               |               | +958                    | +1343                 | 1,095,998   | 440,556 |   |  |
| 350         | 1320           |                   | -                           | -     | 5.3         | 89° 26'        | +13.1           | +7.8                    |                         | 1183.2               |               | +767                    | +1075                 | 1,095,807   | 440,288 |   |  |
| 351         | 990            |                   | -                           | -     | 4.7         | 89° 26'        | +9.8            | +5.1                    |                         | 1180.5               |               | +575                    | +806                  | 1,095,615   | 440,019 |   |  |
| 352         | 660            |                   | -                           | -     | 5.0         | 89° 26'        | +6.5            | +1.5                    |                         | 1176.9               |               | +383                    | +537                  | 1,095,423   | 439,750 |   |  |
| Bm          | 615            |                   | 39° 25' 25"                 | -     | 7.1         | 89°            | +10.7           | +3.6                    |                         | 1179.0               | Bm            | +375                    | +487                  | 1,095,415   | 439,700 | B-1, 095,410 x 439,900±<br>U.S.C. & G.S. X-280 EL. 1179.0     |  |
| 353         | 330            |                   | 41° 30'                     | -     | 6.0         | 89° 20'        | +3.8            | -2.2                    |                         | 1173.2               |               | +192                    | +269                  | 1,095,232   | 439,482 | Bm was 1948<br>on opposite side of road<br>from map location. |  |
| 354         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1170.3               | π             | 0                       | 0                     | 1,095,040   | 439,213 |   |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |               |   |               |    |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|---------------|---|---------------|----|
| DATE | 2-19-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4 | PAGE          | 26 |
| AREA | ARIZONA | TOPO MAP       | SWANSEA-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE         |   | PPM           |    |
|      |         |                |            |         |             |              |        |                  |     | PARTY MANAGER |   | J. Mc CLELLAN |    |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS   |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |   |  |
|             |                |                   |                             |       |             |                |                 |                         | 1175.4                  |                      |               |                         |                       |             |         |   |  |
| 355         | 330            |                   | 221 34                      | +13.0 | 5.9         | 90° 20'        | -1.9            | -7.8                    |                         | 1167.6               |               | -191                    | -269                  | 1,094,849   | 438,944 |   |  |
| 356         | 660            |                   | -                           | -     | 6.9         | 90° 20'        | -3.8            | -10.7                   |                         | 1164.7               |               | -383                    | -538                  | 1,094,657   | 438,675 |   |  |
| 357         | 990            |                   | -                           | -     | 6.0         | 90° 28'        | -8.1            | -14.1                   |                         | 1161.3               |               | -574                    | -807                  | 1,094,466   | 438,406 |   |  |
| 358         | 1320           |                   | -                           | -     | 6.0         | 90° 20'        | -7.7            | -13.7                   |                         | 1161.7               |               | -765                    | -1076                 | 1,094,275   | 438,137 |   |  |
| 359         | 1650           |                   | 221 34                      | +13.0 | 5.6         | 90° 24'        | -11.5           | -17.1                   |                         | 1158.3               |               | -957                    | -1344                 | 1,094,083   | 437,869 |   |  |
| 360         | 1980           |                   | -                           | -     | 6.2         | 90° 26'        | -15.0           | -21.2                   |                         | 1154.2               |               | -1148                   | -1613                 | 1,093,892   | 437,600 |   |  |
| 361         | 2310           |                   | -                           | -     | 7.0         | 90° 26'        | -17.5           | -24.5                   |                         | 1150.9               |               | -1339                   | -1882                 | 1,093,701   | 437,331 |   |  |
| 362         | 2640           |                   | -                           | -     | 5.7         | 90° 30'        | -23.0           | -28.7                   |                         | 1146.7               |               | -1531                   | -2151                 | 1,093,509   | 437,062 |   |  |
| 363         | 2977           |                   | 221 34 44                   | +13.4 | 3.5         | 90° 30'        | -26.0           | -29.5                   |                         |                      | TP            | -1708                   | -2438                 | 1,093,329   | 436,772 | ACROSS FROM RING  |  |
| 363         | 2977           |                   |                             |       | 3.2         | 269° 30'       | -26.0           | -29.2                   | -29.3                   | 1146.1               | TP            | -3                      | -3                    |             |         |   |  |
|             | 2357           |                   | 51 04 42                    | -     | 15.1        | 89° 18'        | -28.8           | -13.7                   | 13.8                    | 1132.3               | BS            | -1015                   | -2127                 |             |         |   |  |
|             | 2357           |                   |                             |       | 14.8        | 270° 42'       | -28.8           | -14.0                   |                         |                      | BS            | -3                      | -3                    |             |         |   |  |
| 364         | 2065           |                   | 46 40                       | -     | 5.9         | 89° 30'        | +18.0           | +12.1                   |                         | 1144.4               |               | +1030                   | +1790                 | 1,093,341   | 436,432 |   |  |
| 365         | 1792           |                   | 41 10                       | -     | 8.0         | 89° 30'        | +15.6           | +7.6                    |                         | 1139.9               |               | +1039                   | +1460                 | 1,093,350   | 436,102 |   |  |
| 366         | 1507           |                   | 35 30                       | -     | 5.2         | 89° 30'        | +13.2           | +8.0                    |                         | 1140.3               |               | +791                    | +1136                 | 1,093,302   | 435,778 |   |  |
| 367         | 1180           |                   | 34 15                       | -     | 5.6         | 89° 30'        | +10.3           | +4.7                    |                         | 1137.0               |               | +795                    | +872                  | 1,093,106   | 435,514 |   |  |
| Bm          | 1023           |                   | 37 11, 10                   | -     | 4.5         | 89° 30'        | +8.9            | +4.4                    |                         | 1136.7               | Bm            | +650                    | +790                  | 1,092,961   | 435,432 | 1,092,960 x 435,500<br>4.5, 16.5, 9.280 Bm. El. 1137.4<br>1748. |  |
| 368         | 850            |                   | 34 15                       | -     | 6.5         | 89° 30'        | +7.4            | +0.9                    |                         | 1133.2               |               | +573                    | +628                  | 1,092,884   | 435,270 |   |  |
| 369         | 520            |                   | -                           | -     | 6.4         | 89° 30'        | +4.5            | -1.9                    |                         | 1130.4               |               | +350                    | +384                  | 1,092,661   | 435,026 |   |  |
| 370         | 196            |                   | -                           | -     | 6.2         | 89° 50'        | +0.6            | -5.6                    |                         | 1126.7               |               | +128                    | +140                  | 1,092,439   | 434,782 |   |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |              |         |             |              |        |                  |     |               |              |      |    |
|------|---------|----------------|--------------|---------|-------------|--------------|--------|------------------|-----|---------------|--------------|------|----|
| DATE | 2-20-86 | INSTRUMENT MAN | B. Cotcamp   | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4            | PAGE | 27 |
| AREA | ARIZONA | TORO MAP       | SWANSEA - 15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. McCLELLAN |      |    |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS                          |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|----------------------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                                  |
|             |                |                   |                             |       |             |                |                 |                         | 1132.3                  |                      |               |                         |                       |                                  |
| X           | 0              |                   |                             |       | 5.2         | -              |                 | -5.2                    |                         | 1127.1               | X             | 0                       | 0                     | 1,092,311 434,642                |
| 371         | 145            |                   | 233° 05'                    | +13.4 | 5.4         | 90° 30'        | -1.3            | -6.7                    |                         | 1125.6               |               | -58                     | -133                  | 1,092,253 434,509                |
| 372         | 475            |                   | 231° 10'                    | -     | 5.4         | 90° 30'        | -4.1            | -9.5                    |                         | 1122.8               |               | -204                    | -429                  | 1,092,107 434,213                |
| 373         | 799            |                   | 236° 35'                    | -     | 5.3         | 90° 30'        | -7.0            | -12.3                   |                         | 1120.0               |               | -273                    | -751                  | 1,092,038 433,891                |
| 374         | 1128           |                   | 235° 20'                    | -     | 5.6         | 90° 30'        | -9.8            | -15.4                   |                         | 1116.9               |               | -409                    | -1051                 | 1,091,902 433,591                |
| 375         | 1447           |                   | 231° 46'                    | +13.4 | 5.8         | 90° 24'        | -10.1           | -15.9                   |                         | 1116.4               |               | -608                    | -1313                 | 1,091,703 433,329 SWANSEA - 15 ↑ |
| 376         | 1737           |                   | 226° 10'                    | -     | 6.2         | 90° 26'        | -13.1           | -19.3                   |                         | 1113.0               |               | -880                    | -1498                 | 1,091,431 433,144 UTTING - 15 ↓  |
| 377         | 2027           |                   | 221° 20'                    | -     | 5.2         | 90° 26'        | -15.3           | -20.5                   |                         | 1111.8               |               | -1170                   | -1655                 | 1,091,141 432,987                |
| 378         | 2355           |                   | 221° -                      | -     | 6.8         | 90° 26'        | -17.8           | -24.6                   |                         | 1107.7               |               | -1371                   | -1915                 | 1,090,940 432,727                |
| TP          | 2480           |                   | 220° 38' 04"                | -     | 6.7         | 90° 26'        | -18.8           | -25.5                   | -25.3                   | 1107.0               | TP            | -1456                   | -2007                 | 1,090,852 432,632                |
| TP          | 2480           |                   |                             |       | 6.2         | 269° 34'       | -18.8           | -25.0                   |                         | TP                   | -3            | -3                      |                       |                                  |
|             | 2455           |                   | 39° 58' 51"                 | +13.4 | +13.4       | 89° 22'        | -27.1           | -13.5                   | -13.7                   | 1093.3               | BS            | -1464                   | -1970                 |                                  |
|             | 2455           |                   |                             | +13.3 | 270° 38'    | -27.1          | -13.8           | -13.8                   |                         | BS                   | -3            | -3                      |                       |                                  |
| 379         | 2251           |                   | 38° 45'                     | -     | 6.4         | 89° 34'        | +17.0           | +10.6                   |                         | 1103.9               |               | +1381                   | +1777                 | 1,090,766 432,436                |
| 380         | 1925           |                   | 37° 14'                     | -     | 5.2         | 89° 34'        | +14.6           | +9.4                    |                         | 1102.7               |               | +1221                   | +1488                 | 1,090,606 432,147                |
| 381         | 1620           |                   | 33° 10'                     | -     | 6.2         | 89° 30'        | +14.1           | +7.9                    |                         | 1101.2               |               | +1114                   | +1176                 | 1,090,499 431,835                |
| 382         | 1318           |                   | 28° 10'                     | -     | 6.0         | 89° 30'        | +11.5           | +5.5                    |                         | 1098.8               |               | +986                    | +874                  | 1,090,371 431,533                |
| 383         | 990            |                   | 26° 55'                     | -     | 5.2         | 89° 30'        | +8.6            | +3.4                    |                         | 1096.7               |               | +755                    | +641                  | 1,090,140 431,300                |
| Bm          | 691            |                   | 24° 27' 57"                 | -     | 3.8         | 89° 30'        | +6.0            | +2.2                    |                         | 1095.5               | Bm            | +545                    | +424                  | 1,089,930 431,083                |
| 384         | 660            |                   | 26° 55'                     | -     | 4.8         | 89° 30'        | +5.8            | +1.0                    |                         | 1094.3               |               | +503                    | +427                  | 1,089,888 431,086                |

3-1,089,955 x -431,100  
U.S.C.G.S. 2-280 EL. 1095.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |          |   |      |               |              |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-20-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 28            |              |
| AREA | ARIZONA | TOPO MAP       | UTTING-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  |               |              |
|      |         |                |            |         |             |              |        |                  |     |          |   |      | PARTY MANAGER | J. McCLELLAN |

| 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<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|-------------|---------|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |          |                         |                       | Y           | X       |         |
|             |                |                   |                             |       |             |                |                 |                         | 1093.3                  |                      |          |                         |                       |             |         |         |
| 385         | 330            |                   | 26 55                       | +13.4 | 5.2         | 89 30          | +2.9            | -2.3                    |                         | 1091.0               |          | +252                    | +214                  | 1,089,637   | 430,873 |         |
| 386         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1088.2               | π        | 0                       | 0                     | 1,089,385   | 430,659 |         |
| 387         | 330            |                   | 206 30                      | -     | 6.3         | 90 30          | -2.9            | -9.2                    |                         | 1084.1               |          | -253                    | -212                  | 1,089,132   | 430,447 |         |
| 388         | 660            |                   | - -                         | -     | 5.3         | 90 30          | -5.8            | -11.1                   |                         | 1082.2               |          | -506                    | -423                  | 1,088,879   | 430,236 |         |
| 389         | 990            |                   | - -                         | -     | 7.0         | 90 30          | -8.6            | -15.6                   |                         | 1077.7               |          | -759                    | -635                  | 1,088,626   | 430,024 |         |
| 390         | 1316           |                   | 209 20                      | +13.4 | 6.5         | 90 30          | -11.5           | -18.0                   |                         | 1075.3               |          | -967                    | -893                  | 1,088,418   | 429,766 |         |
| 391         | 1642           |                   | 212 -                       | -     | 6.3         | 90 30          | -14.3           | -20.6                   |                         | 1072.7               |          | -1153                   | -1169                 | 1,088,232   | 429,490 |         |
| 392         | 1967           |                   | 212 30                      | -     | 6.0         | 90 30          | -17.2           | -23.2                   |                         | 1070.1               |          | -1369                   | -1413                 | 1,088,016   | 429,246 |         |
| 393         | 2295           |                   | 211 35                      | -     | 6.8         | 90 30          | -20.0           | -26.8                   |                         | 1066.5               |          | -1623                   | -1622                 | 1,087,762   | 429,037 |         |
| TP          | 2559           |                   | 211 41 28                   | -     | 6.1         | 90 30          | -22.3           | -28.4                   | -28.3                   | 1065.0               | TP       | -1807                   | -1812                 | 1,087,575   | 428,844 |         |
| TP          | 2559           |                   |                             |       | 5.8         | 209 30         | -22.3           | -28.1                   |                         |                      | TP       | -3                      | -3                    |             |         |         |
|             | 2001           |                   | 17 13 27                    | +13.4 | 5.3         | 89 30          | -17.5           | -12.2                   | -12.4                   | 1052.6               | BS       | -1722                   | -1019                 |             |         |         |
|             | 2001           |                   |                             |       | 5.0         | 270 30         | -17.5           | -12.5                   |                         |                      | BS       | -3                      | -3                    |             |         |         |
| 394         | 1945           |                   | 16 10                       | -     | 5.0         | 89 30          | +17.0           | +12.0                   |                         | 1064.6               |          | +1692                   | +960                  | 1,087,542   | 428,782 |         |
| 395         | 1636           |                   | 12 30                       | -     | 5.8         | 89 30          | +14.3           | +8.5                    |                         | 1061.1               |          | +1472                   | +715                  | 1,087,322   | 428,537 |         |
| 396         | 1310           |                   | 10 25                       | -     | 5.9         | 89 30          | +11.4           | +5.5                    |                         | 1058.1               |          | +1198                   | +529                  | 1,087,048   | 428,351 |         |
| 397         | 985            |                   | 7 30                        | -     | 4.7         | 89 30          | +8.6            | +4.0                    |                         | 1056.6               |          | +920                    | +351                  | 1,086,770   | 428,173 |         |
| 398         | 657            |                   | 8 10                        | -     | 4.3         | 89 30          | +5.7            | +1.4                    |                         | 1054.0               |          | +611                    | +242                  | 1,086,461   | 428,064 |         |
| 399         | 329            |                   | 10 45                       | -     | 5.8         | 89 30          | +2.9            | -2.9                    |                         | 1049.7               |          | +300                    | +135                  | 1,086,150   | 427,957 |         |
| 400         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1047.5               | π        | 0                       | 0                     | 1,085,850   | 427,822 |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |           |         |             |              |        |                  |     |               |               |      |    |
|------|---------|----------------|-----------|---------|-------------|--------------|--------|------------------|-----|---------------|---------------|------|----|
| DATE | 2-20-86 | INSTRUMENT MAN | B. Cotamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4             | PAGE | 29 |
| AREA | ARIZONA | TOPO MAP       | UTTING-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. Mc CLELLAN |      |    |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS   |         |                                      |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-----------|---------|--------------------------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |           | Y       | X                                    |
|             |                |                   |                             |       |             |                |                 |                         | 1052.6                  |                      |               |                         |                       |           |         |                                      |
| Bm          | 142            |                   | 184° 29' 12"                | +13.4 | 5.2         | -              |                 | -5.2                    |                         | 1047.4               | Bm            | -135                    | -44                   | 1,085,715 | 427,778 | U.S.C.+G.S. A-281 EL. 1047.0<br>1948 |
| 401         | 330            |                   | 174° 25'                    | -     | 4.4         | 91° -          | -5.8            | -10.2                   |                         | 1042.4               |               | -327                    | -45                   | 1,085,523 | 427,777 |                                      |
| 402         | 653            |                   | 180° 35'                    | -     | 6.0         | 90° 50'        | -9.5            | -15.5                   |                         | 1037.1               |               | -634                    | -158                  | 1,085,216 | 427,664 |                                      |
| 403         | 956            |                   | 189° 55'                    | -     | 6.2         | 90° 40'        | -11.1           | -17.3                   |                         | 1035.3               |               | -878                    | -378                  | 1,084,972 | 427,444 |                                      |
| 404         | 1275           |                   | 194° 20'                    | +13.4 | 5.7         | 90° 40'        | -14.8           | -20.5                   |                         | 1032.1               |               | -1129                   | -593                  | 1,084,721 | 427,229 |                                      |
| 405         | 1604           |                   | 194° 40'                    | -     | 5.0         | 90° 40'        | -18.7           | -23.7                   |                         | 1028.9               |               | -1415                   | -755                  | 1,084,435 | 427,067 |                                      |
| 406         | 1924           |                   | 197° 17'                    | -     | 6.0         | 90° 34'        | -19.0           | -25.0                   |                         | 1027.6               |               | -1655                   | -982                  | 1,084,195 | 426,840 |                                      |
| 407         | 2241           |                   | 199° 50'                    | -     | 4.6         | 90° 40'        | -26.1           | -30.7                   |                         | 1021.9               |               | -1874                   | -1228                 | 1,083,976 | 426,594 |                                      |
| 408         | 2551           |                   | 202° 28'                    | -     | 5.6         | 90° 42'        | -31.2           | -36.8                   |                         | 1015.8               |               | -2067                   | -1495                 | 1,083,783 | 426,327 |                                      |
| TP          | 2679           |                   | 203° 15' 36"                | -     | 10.1        | 90° 30'        | -23.4           | -33.5                   | -33.4                   | 1019.2               | TP            | -2149                   | -1599                 | 1,083,698 | 426,220 |                                      |
| TP          | 2679           |                   |                             |       | 9.8         | 269° 30'       | -23.4           | -33.2                   |                         |                      | TP            | -3                      | -3                    |           |         |                                      |
|             | 1826           |                   | 34° 18' 57"                 | +13.4 | 9.5         | 89° 24'        | -19.1           | -9.6                    |                         |                      | BS            | -1228                   | -1351                 |           |         |                                      |
|             | 1826           |                   |                             |       | 9.2         | 270° 36'       | -19.1           | -9.9                    | 9.8                     | 1009.4               | BS            | -3                      | -3                    |           |         |                                      |
| 409         | 1630           |                   | 33° 50'                     | -     | 6.5         | 89° 34'        | +12.3           | +5.8                    |                         | 1015.2               |               | +1107                   | +1197                 | 1,083,574 | 426,063 |                                      |
| 410         | 1303           |                   | 31° 42'                     | -     | 5.4         | 89° 30'        | +11.4           | +6.0                    |                         | 1015.4               |               | +920                    | +923                  | 1,083,387 | 425,789 |                                      |
| 411         | 978            |                   | 29° 05'                     | -     | 6.4         | 89° 26'        | +11.4           | +5.0                    |                         | 1014.4               |               | +721                    | +661                  | 1,083,188 | 425,527 |                                      |
| 412         | 650            |                   | 30° 10'                     | -     | 5.9         | 89° 20'        | +7.6            | +1.7                    |                         | 1011.1               |               | +471                    | +448                  | 1,082,938 | 425,314 |                                      |
| 413         | 330            |                   | 39° 45'                     | -     | 5.9         | 89° 40'        | +1.9            | -4.0                    |                         | 1005.4               |               | +198                    | +264                  | 1,082,665 | 425,130 |                                      |
| 414         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1004.3               | TP            | 0                       | 0                     | 1,082,467 | 424,866 |                                      |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                              |                        |                      |                               |               |            |
|-----------------|------------------------------|------------------------|----------------------|-------------------------------|---------------|------------|
| DATE<br>2-20-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.C.      | LINE NO.<br>4 | PAGE<br>30 |
| AREA<br>ARIZONA | TOPO MAP<br>UTTING-15'       | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE         | PPM        |
|                 |                              |                        |                      | PARTY MANAGER<br>J. McCLELLAN |               |            |

| 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<br>X<br>TP | NORTH + SOUTH - |      | EAST + WEST - |         | COORDINATES |  | REMARKS  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---------|-------------|--|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP. | Y             | X       |             |  |  |
|             |                |                   |                             |       |             |                |                 |                         | 1009.4                  |                      |               |                 |      |               |         |             |  |  |
| 415         | 330            |                   | 205 30                      | +13.4 | 5.3         | 91 10          | -6.7            | -12.0                   |                         | 997.4                |               | -257            | -207 | 1,082,210     | 424,659 |             |  |  |
| 416         | 660            |                   | 205 05                      | -     | 5.9         | 90 30          | -5.8            | -11.7                   |                         | 997.7                |               | -517            | -411 | 1,081,950     | 424,455 |             |  |  |
| Bm          | 753            |                   | 206 52 14                   | -     | 5.4         | 90 30          | -6.6            | -12.0                   |                         | 997.4                | Bm            | -575            | -487 | 1,081,892     | 424,379 |             |  | 9-1,081,905 x-424,405<br>U.S.C.+G.S. B-281 EL. 997.0<br>1998 |
| 417         | 990            |                   | 204 20                      | -     | 5.5         | 90 40          | -11.5           | -17.0                   |                         | 992.4                |               | -783            | -606 | 1,081,684     | 424,260 |             |  |  |
| 418         | 1317           |                   | 202 35                      | -     | 6.2         | 90 32          | -12.3           | -18.5                   |                         | 990.9                |               | -1066           | -774 | 1,081,401     | 424,092 |             |  |  |
| 419         | 1574           |                   | 194 42 05                   | -     | 6.1         | 90 40          | -18.3           | -24.4                   |                         | 985.1                | TP            | -1388           | -741 | 1,081,076     | 424,123 |             |  |  |
| 419         | 1574           |                   |                             |       | 5.8         | 269 20         | -18.3           | -24.1                   |                         |                      | TP            | -3              | -2   |               |         |             |  |  |
|             | 1784           |                   | 319 13 38                   | +13.4 | 4.4         | -              |                 | +4.4                    |                         |                      | BS            | -1584           | +820 |               |         |             |  |  |
|             | 1784           |                   |                             |       | 4.1         | 270 -          |                 | +4.1                    |                         | 989.3                | BS            | -3              | -2   |               |         |             |  |  |
| 420         | 1454           |                   | 319 20                      | -     | 6.8         | -              |                 | -6.8                    |                         | 982.5                |               | +1292           | -666 | 1,080,781     | 424,275 |             |  |  |
| 421         | 1124           |                   | - -                         | -     | 7.5         | -              |                 | -7.5                    |                         | 981.8                |               | +999            | -515 | 1,080,488     | 424,426 |             |  |  |
| 422         | 794            |                   | - -                         | -     | 5.9         | BH             | -4.0            | -9.9                    |                         | 979.4                |               | +706            | -364 | 1,080,195     | 424,577 |             |  |  |
| 423         | 464            |                   | - -                         | -     | 4.7         | -              |                 | -4.7                    |                         | 984.6                |               | +412            | -213 | 1,079,901     | 424,728 |             |  |  |
| 424         | 134            |                   | - -                         | -     | 5.6         | -              |                 | -5.6                    |                         | 983.7                |               | +119            | -61  | 1,079,608     | 424,886 |             |  |  |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 984.2                | X             | 0               | 0    | 1,079,489     | 424,941 |             |  |  |
| 425         | 202            |                   | 163 10                      | +13.4 | 6.1         | -              |                 | -6.1                    |                         | 983.2                |               | -202            | +12  | 1,079,287     | 424,953 |             |  |  |
| 426         | 532            |                   | 161 25                      | -     | 4.6         | BH             | -2.7            | -7.3                    |                         | 982.0                |               | -530            | +48  | 1,078,959     | 424,989 |             |  |  |
| 427         | 862            |                   | - -                         | -     | 3.1         | -              |                 | -3.1                    |                         | 986.2                |               | -858            | +78  | 1,078,631     | 425,019 |             |  |  |
| 428         | 1196           |                   | 163 35                      | -     | 5.3         | -              |                 | -5.3                    |                         | 984.0                |               | -1188           | +63  | 1,078,301     | 425,004 |             |  |  |
| 429         | 1488           |                   | 169 55                      | -     | 5.1         | 89 58          | +0.9            | -4.2                    |                         | 985.1                |               | -1486           | -86  | 1,078,003     | 424,855 |             |  |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |      |          |   |      |               |              |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|--------------|
| DATE | 2-20-86 | INSTRUMENT MAN | B. Stamp    | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.C. | LINE NO. | 4 | PAGE | 31            |              |
| AREA | ARIZONA | TOPO MAP       | Bouse - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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       |   |
|             |                |                   |                             |       |             |                |                 |                         | 989.3                   |                      |         |                 |               |             |         |   |
| TP          | 1653           |                   | 172° 53' 23"                | +13.4 | 9.9         | 89° 46'        | +6.7            | -3.2                    | -3.13                   | 986.2                | TP      | -1643           | -181          | 1,077.843   | 424.758 |   |
| TP          | 1653           |                   |                             |       | 9.6         | 270° 14'       | +6.7            | -2.9                    |                         | TP                   |         |                 | -3            | -2          |         |   |
|             | 762            |                   | 5° 24' 36"                  | -     | +13.5       | 88° 30'        | -19.9           | -6.4                    | -3                      |                      | BS      | -721            | -246          |             |         |   |
|             | 762            |                   |                             |       | +13.4       | 271° 30'       | -19.9           | -6.5                    |                         | 979.7                | BS      |                 | -3            | -3          |         |   |
| 430         | 636            |                   | 359° 40'                    | -     | 6.5         | 88° 36'        | +15.5           | +9.0                    |                         | 988.7                |         | +620            | +144          | 1,077.739   | 424.653 |   |
| 431         | 328            |                   | 344° -                      | -     | 5.3         | 89° 40'        | +1.9            | -3.4                    |                         | 976.3                |         | +328            | -15           | 1,077.447   | 424.494 |   |
| 432         | 0              |                   |                             |       | 5.1         | -              | -               | -5.1                    |                         | 974.6                | X       | 0               | 0             | 1,077.119   | 424.509 |   |
| Bm          | 250            |                   | 162° 54' 50"                | +13.4 | 0.0         | 91° -          | -4.4            | -4.4                    |                         | 975.3                | Bm      | -249            | +16           | 1,076.868   | 424.525 | y=1,076,865 x=424,525<br>U.S.C.+G.S.C-281 EL. 975.0<br>1948 Horiz. 5'-77<br>Elev. x=-69 |
| 433         | 330            |                   | 157° 55'                    | -     | 5.5         | 84°            | -1.7            | -7.2                    |                         | 972.5                |         | -326            | +50           | 1,076.793   | 424.559 |   |
| 434         | 660            |                   | - -                         | -     | 4.2         | -              | -               | -4.2                    |                         | 975.5                |         | -652            | +100          | 1,076.467   | 424.609 |   |
| 435         | 980            |                   | 163° 06'                    | -     | 4.9         | 89° 48'        | +3.4            | -1.5                    |                         | 978.2                |         | -978            | +60           | 1,076.141   | 424.569 |   |
| TP          | 1088           |                   | 166° 20' 30"                | -     | 4.4         | 89° 48'        | +3.8            | -0.6                    | -10.63                  | 968.6                | TP      | -1088           | +5            | 1,076.031   | 424.514 |   |
| TP          | 1088           |                   |                             |       | 4.3         | 270° 12'       | +3.8            | -0.5                    |                         |                      | 979.2   | TP              |               |             |         |   |
|             | 1854           |                   | 20° 07' 35"                 | +13.4 | 5.7         | 89° 30'        | -16.2           | -10.5                   |                         |                      | BS      | -1545           | -1024         |             |         |   |
|             | 1854           |                   |                             |       | +5.4        | 270° 30'       | -16.2           | -10.8                   |                         |                      | BS      |                 |               |             |         |   |
| 436         | 1646           |                   | 20° -                       | -     | 5.0         | 89° 38'        | +10.5           | +5.5                    |                         | 974.1                |         | +1374           | +906          | 1,075.860   | 424.396 | UTTING - 15   |
| 437         | 1316           |                   | 19° 10'                     | -     | 5.7         | -              | -               | -5.7                    |                         | 962.9                |         | +1109           | +708          | 1,075.595   | 424.198 | Bouse - 15 ↓  |
| 438         | 988            |                   | 17° 50'                     | -     | 5.8         | 90° 08'        | -2.3            | -8.1                    |                         | 960.5                |         | +845            | +512          | 1,075.331   | 424.002 |   |
| 439         | 660            |                   | 16° 16'                     | -     | 6.3         | 90° 40'        | -7.7            | -14.0                   |                         | 954.6                |         | +573            | +327          | 1,075.059   | 423.817 |   |
| 440         | 330            |                   | - -                         | -     | 5.7         | 91° 50'        | -10.6           | -16.3                   |                         | 952.3                |         | +289            | +163          | 1,074.773   | 423.653 |   |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                              |                        |                      |                         |               |                               |
|-----------------|------------------------------|------------------------|----------------------|-------------------------|---------------|-------------------------------|
| DATE<br>2-20-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S | LINE NO.<br>4 | PAGE<br>32                    |
| AREA<br>ARIZONA | TOPO MAP<br>Bouse-15         | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP<br>RANGE            | PPM           | PARTY MANAGER<br>J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |  |
|             |                |                   |                             |       |             |                |                 |                         | 968.6                   |                      |               |                 |       |               |         |             |  |  |
| 441         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 963.5                | TP            | 0               | 0     | 1,074,486     | 423,490 |             |  |  |
| 442         | 330            |                   | 198° 50'                    | +13.4 | 5.0         | 91° 30'        | -8.6            | -13.6                   |                         | 955.0                |               | -279            | -176  | 1,074,207     | 423,314 |             |  |  |
| 443         | 660            |                   | - -                         | -     | 6.0         | 91° 10'        | -13.4           | -19.4                   |                         | 949.2                |               | -558            | -352  | 1,073,928     | 423,138 |             |  |  |
| 444         | 990            |                   | - -                         | -     | 7.6         | 91° 10'        | -20.2           | -27.8                   |                         | 940.8                |               | -837            | -528  | 1,073,649     | 422,962 |             |  |  |
| 445         | 1320           |                   | 198° 35'                    | -     | 5.3         | 90° 50'        | -19.2           | -24.5                   |                         | 944.1                |               | -1120           | -699  | 1,073,366     | 422,791 |             |  |  |
| 446         | 1649           |                   | 198° 10'                    | +13.4 | 6.1         | 90° 40'        | -19.2           | -25.3                   |                         | 943.3                |               | -1405           | -863  | 1,073,081     | 422,627 |             |  |  |
| 447         | 1978           |                   | 197° 40'                    | -     | 6.5         | 90° 40'        | -23.0           | -29.5                   |                         | 939.1                |               | -1694           | -1021 | 1,072,792     | 422,469 |             |  |  |
| 448         | 2308           |                   | 197° 24'                    | -     | 6.2         | 90° 44'        | -29.5           | -35.7                   |                         | 932.9                |               | -1982           | -1182 | 1,072,504     | 422,308 |             |  |  |
| 449         | 2638           |                   | 196° 55'                    | -     | 6.2         | 90° 40'        | -30.7           | -36.9                   |                         | 931.7                |               | -2277           | -1332 | 1,072,209     | 422,158 |             |  |  |
| TP          | 2779           |                   | 195° 56' 59"                | -     | 10.6        | 90° 28'        | -22.6           | -33.2                   |                         |                      | TP            | -2422           | -1362 | 1,072,064     | 422,128 |             |  |  |
| TP          | 2779           |                   |                             |       | 10.3        | 269° 32'       | -22.6           | -32.9                   | -33.03                  | 935.6                | TP            |                 |       |               |         |             |  |  |
|             | 1544           |                   | 342° 28' 30"                | +13.4 | 13.4        | -              |                 | +13.4                   | +13.33                  | 948.9                | BS            | -1540           | +111  |               |         |             |  |  |
|             | 1544           |                   |                             |       | +13.1       | 270 -          |                 | +13.1                   |                         |                      | BS            |                 |       |               |         |             |  |  |
| 450         | 1362           |                   | 342° 06'                    | -     | 14.5        | 90° 08'        | -3.2            | -17.7                   |                         | 931.2                |               | +1358           | -107  | 1,071,882     | 422,132 |             |  |  |
| 451         | 1034           |                   | 342° 50'                    | -     | 5.8         | -              |                 | -5.8                    |                         | 943.1                |               | +1032           | -68   | 1,071,556     | 422,171 |             |  |  |
| Bm          | 972            |                   | 342° 03' 16"                | -     | 2.3         | -              |                 | -2.3                    |                         | 946.6                | Bm            | +969            | -77   | 1,071,493     | 422,162 |             |  | 5-1,071,493 x-422,110<br>U.S.C.+G.S. D-281 EL. 947.0<br>1948 |
| 452         | 705            |                   | 342° 50'                    | -     | 5.8         | 91° 04'        | -13.1           | -18.9                   |                         | 930.0                |               | +703            | -46   | 1,071,227     | 422,193 |             |  |  |
| 453         | 375            |                   | - -                         | -     | 5.0         | 90° 50'        | -5.5            | -10.5                   |                         | 938.4                |               | +374            | -25   | 1,070,898     | 422,214 |             |  |  |
| 454         | 46             |                   | - -                         | -     | 5.7         | 92° 20'        | -1.9            | -7.6                    |                         | 941.3                |               | +46             | -3    | 1,070,570     | 422,236 |             |  |  |
| TP          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 943.8                | TP            | 0               | 0     | 1,070,524     | 422,239 |             |  |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |          |   |               |               |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|----------|---|---------------|---------------|
| DATE | 2-25-85 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE          | 33            |
| AREA | ARIZONA | TOP MAP        | Bouse -15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM           |               |
|      |         |                |            |         |             |              |        |                  |     |          |   | PARTY MANAGER | S. Mc CLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 948.9                   |                      |               |                 |       |               |         |             |  |         |  |
| 455         | 283            |                   | 161 55                      | +13.5 | 5.8         | 91 20          | -6.6            | -12.4                   |                         | 936.5                |               | -282            | +23   | 1070.242      | 422.259 |             |  |         |  |
| 456         | 610            |                   | 157 00                      | -     | 7.0         | 90 20          | -3.5            | -10.5                   |                         | 938.4                |               | -602            | +101  | 1069.922      | 422.337 |             |  |         |  |
| TP          | 756            |                   | 153 44 58                   | -     | 4.9         | 90 20          | -4.4            | -9.3                    |                         |                      | TP            | -737            | +167  | 1,069.789     | 422.405 |             |  |         |  |
| TP          | 756            |                   |                             |       | 4.8         | 269 40         | -4.4            | -9.2                    |                         | 939.7                | TP            | +2              | +2    |               |         |             |  |         |  |
|             | 1168           |                   | 314 11 53                   | +13.5 | 6.5         | -              |                 | +6.5                    | 946.2                   |                      | BS            | -987            | +624  |               |         |             |  |         |  |
|             | 1168           |                   |                             |       | 6.4         | 270 -          |                 | +6.4                    |                         |                      | BS            | +2              | +2    |               |         |             |  |         |  |
| 457         | 990            |                   | 314 32                      | -     | 7.3         | -              |                 | -7.3                    |                         | 938.9                |               | +840            | -524  | 1,069.644     | 422.507 |             |  |         |  |
| 458         | 660            |                   | -                           | -     | 8.1         | -              |                 | -8.1                    |                         | 938.1                |               | +560            | -349  | 1,069.364     | 422.682 |             |  |         |  |
| 459         | 330            |                   | -                           | -     | 7.2         | -              |                 | -7.2                    |                         | 939.0                |               | +280            | -175  | 1,069.084     | 422.856 |             |  |         |  |
| 460         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 941.1                | X             | 0               | 0     | 1,068.804     | 423.031 |             |  |         |  |
| 461         | 330            |                   | 134 30                      | +13.5 | 4.7         | 74             | +1.7            | -3.1                    |                         | 943.1                |               | -280            | +175  | 1,068.524     | 423.206 |             |  |         |  |
| 462         | 660            |                   | -                           | -     | 6.2         | 89 30          | +5.8            | -0.4                    |                         | 945.8                |               | -560            | +350  | 1,068.244     | 423.381 |             |  |         |  |
| 463         | 990            |                   | -                           | -     | 6.3         | 89 30          | +8.6            | +2.3                    |                         | 948.5                |               | -840            | +525  | 1,067.964     | 423.556 |             |  |         |  |
| 464         | 1320           |                   | -                           | -     | 6.8         | 89 30          | +11.5           | +4.7                    |                         | 950.9                |               | -1119           | +679  | 1,067.685     | 423.736 |             |  |         |  |
| TP          | 1506           |                   | 133 52 27                   | -     | 6.8         | 89 30          | +13.1           | +6.3                    |                         |                      | TP            | -1268           | +812  | 1,067.536     | 423.845 |             |  |         |  |
| TP          | 1506           |                   |                             |       | 6.7         | 270 30         | +13.1           | +6.4                    |                         | 952.6                | TP            | +2              | +2    |               |         |             |  |         |  |
|             | 1921           |                   | 44 59 01                    | +13.5 | 10.7        | 89 30          | -16.8           | -6.1                    |                         |                      | BS            | -1004           | -1638 |               |         |             |  |         |  |
|             | 1921           |                   |                             |       | 10.4        | 270 30         | -16.8           | -6.4                    | 962.3                   | 946.4                | BS            | +2              | +2    |               |         |             |  |         |  |
| 465         | 1698           |                   | 44 34                       | -     | 9.7         | 89 30          | +14.8           | +5.1                    |                         | 951.5                |               | +878            | +1441 | 1,067.430     | 423.650 |             |  |         |  |
| 466         | 1368           |                   | -                           | -     | 8.1         | 89 30          | +11.9           | +3.8                    |                         | 950.2                |               | +724            | +1161 | 1,067.250     | 423.370 |             |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |         |                  |     |          |   |               |              |
|------|---------|----------------|------------|---------|-------------|--------------|---------|------------------|-----|----------|---|---------------|--------------|
| DATE | 2-25-85 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834    | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE          | 34           |
| AREA | ARIZONA | TOPO MAP       | Bouse-15   | STATE   | AZ.         | COUNTY       | LA. PAZ | TWP              |     | RANGE    |   | PPM           |              |
|      |         |                |            |         |             |              |         |                  |     |          |   | PARTY MANAGER | J. McCLELLAN |




| 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 | NORTH + SOUTH - LAT. | EAST + WEST - DEP. | COORDINATES |         | REMARKS     |             |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|----------------------|--------------------|-------------|---------|-------------|-------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |       |                      |                    | Y           | X       |             |             |
|             |                |                   |                             |       |             |                |                 |                         | 946.4                   |                      |       |                      |                    |             |         |             |             |
| 467         | 1038           |                   | 44 34'                      | +13.5 | 4.6         | 89 30'         | +9.1            | +4.5                    |                         | 950.9                |       | +549                 | +881               | 1066,081    | 423.090 |             |             |
| R.R.        | 734            |                   | 45 49 05                    | -     | 5.6         | 89 10'         | +10.7           | +5.1                    |                         | 951.5                | #     | +375                 | +631               | 1066,907    | 422.840 | #           | R.R. Tracks |
| 468         | 712            |                   | 44 34'                      | -     | 5.8         | 89 10'         | +10.4           | +4.6                    |                         | 951.0                |       | +377                 | +604               | 1066,909    | 422.813 |             |             |
| 469         | 382            |                   | -                           | -     | 7.8         | 89 10'         | +5.6            | -2.2                    |                         | 944.2                |       | +202                 | +324               | 1066,734    | 422,533 |             |             |
| 470         | 51             |                   | -                           | -     | 6.0         | 89 10'         | +0.7            | -5.3                    |                         | 941.1                |       | +27                  | +43                | 1066,559    | 422,252 |             |             |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 941.3                | π     | 0                    | 0                  | 1,066,532   | 422,209 |             |             |
| 471         | 279            |                   | 256 10'                     | +13.5 | 6.4         | 90 10'         | -0.8            | -7.2                    |                         | 939.2                |       | -2                   | -279               | 1,066,530   | 421,930 | 90 10' B.C. |             |
| 472         | 609            |                   | -                           | -     | 7.3         | 90 10'         | -1.8            | -9.1                    |                         | 937.3                |       | -4                   | -609               | 1066,528    | 421,600 |             |             |
| 473         | 939            |                   | -                           | -     | 8.4         | 90 10'         | -2.7            | -11.1                   |                         | 935.3                |       | -5                   | -939               | 1066,527    | 421,270 |             |             |
| 474         | 1268           |                   | 257 30'                     | -     | 8.7         | 90 10'         | -3.7            | -12.4                   |                         | 934.0                |       | +22                  | -1268              | 1066,554    | 420,941 |             |             |
| 475         | 1598           |                   | -                           | -     | 12.3        | 90 10'         | -4.6            | -16.9                   |                         | 929.5                |       | +28                  | -1598              | 1066,560    | 420,611 |             |             |
| 476         | 1928           |                   | 257 15'                     | -     | 6.4         | 90 10'         | -5.6            | -12.0                   |                         | 934.4                |       | +25                  | -1928              | 1,066,557   | 420,281 |             |             |
| 477         | 2258           |                   | 257 10'                     | +13.5 | 10.2        | -              |                 | -10.2                   |                         | 936.2                |       | +26                  | -2258              | 1066,558    | 419,951 |             |             |
| 478         | 2588           |                   | -                           | -     | 9.5         | -              |                 | -9.5                    |                         | 936.9                |       | +30                  | -2588              | 1066,562    | 419,621 |             |             |
| 479         | 2918           |                   | 257 05'                     | -     | 8.1         | -              |                 | -8.1                    |                         | 938.3                |       | +30                  | -2918              | 1066,562    | 419,291 |             |             |
| 480         | 3248           |                   | -                           | -     | 7.4         | -              |                 | -7.4                    |                         | 939.0                |       | +33                  | -3248              | 1066,565    | 418,961 |             |             |
| 481         | 3581           |                   | 256 51 57                   | -     | 8.7         | 89 52'         | +8.3            | -0.4                    |                         |                      | TP    | +23                  | -3581              | 1,066,557   | 418,630 |             |             |
| 481         | 3581           |                   |                             |       | 8.4         | 270 08'        | +8.3            | -0.1                    | +0.23                   | 946.2                | TP    | +2                   | +2                 |             |         |             |             |
|             | 1613           |                   | 12 39 16                    | -     | 9.0         | 90 30'         | +11.1           | +23.1                   |                         |                      | BS    | -1448                | -711               |             |         |             |             |
|             | 1613           |                   |                             |       | 8.7         | 269 30'        | +14.1           | +22.8                   | +23.03                  | 969.2                | BS    | +2                   | +2                 |             |         |             |             |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |       |          |                                |      |    |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-------|----------|--------------------------------|------|----|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Camp    | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S   | LINE NO. | 4                              | PAGE | 35 |
| AREA | ARIZONA | TOPO MAP       | Bouse - 15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              | RANGE | PPM      | PARTY MANAGER<br>J. Mc CLELLAN |      |    |

| STATION NO. | SLOPE DISTANCE<br> | PLOTTING DISTANCE<br> | AZIMUTH FROM MAGNETIC NORTH | DEC   | ROD READING | VERTICAL ANGLE | VERTICAL CHANGE<br> | DIFFERENCE IN ELEVATION | ELEVATION OF INSTRUMENT | ELEVATION OF STATION | BS<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS   |  |
|-------------|---|--|-----------------------------|-------|-------------|----------------|--|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|-------------|---------|-----------|--|
|             |   |  |                             |       |             |                |  |                         |                         |                      |          |                         |                       | Y           | X       |           |  |
|             |   |  |                             |       |             |                |  |                         | 969.2                   |                      |          |                         |                       |             |         |           |  |
| #1          | 1498  |  | 10 24 06                    | +135° | 4.7         | 90 40          | -17.4  | -22.1                   |                         | 947.1                | TP       | +1369                   | +607                  | 1066,480    | 418,528 | EL. 947.0 |  |
| 482         | 1319  |  | 6 35                        | -     | 6.8         | 90 30          | -11.5  | -18.3                   |                         | 950.9                |          | +1239                   | +453                  | 1066,350    | 418,374 |           |  |
| 483         | 990   |  | 5 55                        | -     | 7.8         | 90 30          | +8.6   | -16.4                   |                         | 952.8                |          | +934                    | +329                  | 1066,445    | 418,250 |           |  |
| 484         | 660   |  | - -                         | -     | 7.1         | 90 30          | -5.8   | -12.9                   |                         | 956.3                |          | +622                    | +219                  | 1065,733    | 418,140 |           |  |
| 485         | 330   |  | - -                         | -     | 6.3         | 90 30          | -2.9   | -9.2                    |                         | 960.0                |          | +311                    | +110                  | 1065,422    | 418,031 |           |  |
| 486         | 0   |  |                             |       | 5.1         | -              |  | -5.1                    |                         | 964.1                | TP       | 0                       | 0                     | 1,065,111   | 417,921 |           |  |
| 487         | 330   |  | 186 03                      | +135  | 6.5         | 89 30          | +2.9   | -3.6                    |                         | 965.6                |          | -311                    | -110                  | 1064,800    | 417,811 |           |  |
| 488         | 660   |  | - -                         | -     | 4.2         | 89 30          | +5.8   | +1.6                    |                         | 970.8                |          | -622                    | -221                  | 1064,489    | 417,700 |           |  |
| IF          | 851   |  | 185 30 45                   | -     | 3.4         | 89 30          | +7.4   | +4.0                    |                         | 973.2                |          | -805                    | -277                  | 1064,306    | 417,644 |           |  |
| 489         | 990   |  | 186 03                      | -     | 8.8         | 89 30          | +8.6   | -0.2                    |                         | 969.0                |          | -933                    | -331                  | 1064,178    | 417,590 |           |  |
| 490         | 1320  |  | - -                         | -     | 7.3         | 89 30          | +11.5  | +4.2                    |                         | 973.4                |          | -1244                   | -442                  | 1063,867    | 417,479 |           |  |
| 491         | 1650  |  | - -                         | -     | 7.3         | 89 30          | +14.4  | +7.1                    |                         | 976.3                |          | -1555                   | -552                  | 1063,556    | 417,369 |           |  |
| 492         | 1980  |  | - -                         | -     | 7.0         | 89 30          | +17.3  | +10.3                   |                         | 979.5                |          | -1866                   | -663                  | 1063,245    | 417,258 |           |  |
| 493         | 2310  |  | - -                         | -     | 6.8         | 89 30          | +20.2  | +13.4                   |                         | 982.6                |          | -2177                   | -773                  | 1062,934    | 417,148 |           |  |
| 494         | 2641  |  | 186 11 29                   | -     | 5.1         | 89 30          | +23.0  | +17.9                   |                         |                      | TP       | -2486                   | -890                  | 1,062,627   | 417,033 |           |  |
| 494         | 2641  |  | - -                         | -     | 4.8         | 270 30         | +23.0  | +18.2                   | +18.5                   | 987.3                | TP       | +2                      | +2                    |             |         |           |  |
|             | 4618  |  | 6 08 16                     | +135  | 8.3         | 90 30          | +40.3  | +48.6                   | +48.3                   | 1035.7               | BS       | -4349                   | -1552                 |             |         |           |  |
|             | 4618  |  | - -                         | -     | 7.8         | 269 30         | +40.3  | +48.1                   |                         |                      | BS       | +2                      | +2                    |             |         |           |  |
| 495         | 4290  |  | 6 10                        | -     | 8.7         | 90 30          | -37.4  | -46.1                   |                         | 989.6                |          | +4040                   | +1444                 | 1062,320    | 416,927 |           |  |
| 496         | 3960  |  | - -                         | -     | 8.6         | 90 30          | -34.6  | -43.2                   |                         | 992.5                |          | +3729                   | +1333                 | 1062,009    | 416,816 |           |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |      |               |   |      |              |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|------|---------------|---|------|--------------|
| DATE | 2-25-86 | INSTRUMENT MAN | B. C. Camp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S. | LINE NO.      | 4 | PAGE | 36           |
| AREA | ARIZONA | TOPO MAP       | Bouse-15   | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE         |   | PPM  |              |
|      |         |                |            |         |             |              |        |                  |      | PARTY MANAGER |   |      | J. McCLELLAN |

| 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       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1035.7                  |                      |         |                      |                    |             |         |         |  |
| 497         | 3630           |                   | 6° 10'                      | +13.5 | 8.4         | 90° 30'        | -31.7           | -40.1                   |                         | 995.6                |         | +3418                | +1222              | 1061,698    | 416.705 |         |  |
| 498         | 3200           |                   | -                           | -     | 7.0         | 90° 30'        | -28.8           | -35.8                   |                         | 999.9                |         | +3108                | +1111              | 1061,388    | 416.594 |         |  |
| 499         | 2970           |                   | -                           | -     | 8.3         | 90° 30'        | -25.9           | -34.2                   |                         | 1001.5               |         | +2797                | +1000              | 1061,077    | 416.483 |         |  |
| 500         | 2640           |                   | -                           | -     | 9.7         | 90° 30'        | -23.0           | -32.7                   |                         | 1003.0               |         | +2486                | +888               | 1060,766    | 416.371 |         |  |
| 501         | 2310           |                   | -                           | -     | 9.2         | 90° 30'        | -20.2           | -29.4                   |                         | 1006.3               |         | +2175                | +777               | 1060,455    | 416.260 |         |  |
| 502         | 1980           |                   | -                           | -     | 8.8         | 90° 30'        | -17.3           | -26.1                   |                         | 1009.6               |         | +1865                | +666               | 1060,145    | 416.149 |         |  |
| 1/2         | 1792           |                   | 6° 24' 09"                  | +13.5 | 10.4        | 90° 30'        | -15.6           | -26.0                   |                         | 1009.7               |         | +1685                | +610               | 1059,965    | 416.093 |         |  |
| 503         | 1650           |                   | 6° 10'                      | -     | 11.3        | 90° 30'        | -14.4           | -25.7                   |                         | 1010.0               |         | +1554                | +555               | 1059,834    | 416.038 |         |  |
| 504         | 1320           |                   | -                           | -     | 9.2         | 90° 30'        | -11.5           | -20.7                   |                         | 1015.0               |         | +1243                | +444               | 1059,523    | 415.927 |         |  |
| 505         | 990            |                   | -                           | -     | 8.8         | 90° 30'        | -8.6            | -17.4                   |                         | 1018.3               |         | +932                 | +333               | 1059,212    | 415.816 |         |  |
| 506         | 660            |                   | -                           | -     | 9.6         | 90° 30'        | -5.8            | -15.4                   |                         | 1020.3               |         | +622                 | +222               | 1058,902    | 415.705 |         |  |
| 507         | 330            |                   | -                           | -     | 6.8         | 90° 30'        | -2.9            | -9.7                    |                         | 1026.0               |         | +311                 | +111               | 1058,591    | 415.594 |         |  |
| 508         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1030.6               | π       | 0                    | 0                  | 1058.280    | 415.483 |         |  |
| 509         | 330            |                   | 186° 13'                    | +13.5 | 8.0         | 89° 30'        | +2.9            | -5.1                    |                         | 1030.6               |         | -311                 | -111               | 1057,969    | 415.372 |         |  |
| 510         | 660            |                   | -                           | -     | 8.0         | 89° 30'        | +5.8            | -2.2                    |                         | 1033.5               |         | -621                 | -223               | 1057,659    | 415.260 |         |  |
| 511         | 990            |                   | -                           | -     | 7.3         | 89° 30'        | +8.6            | +1.3                    |                         | 1037.0               |         | -932                 | -334               | 1057,348    | 415.149 |         |  |
| 512         | 1320           |                   | -                           | -     | 8.7         | 89° 30'        | +11.5           | +2.8                    |                         | 1038.5               |         | -1243                | -445               | 1057,037    | 415.038 |         |  |
| 513         | 1650           |                   | -                           | -     | 10.3        | 89° 30'        | +14.4           | +4.1                    |                         | 1039.8               |         | -1553                | -557               | 1056,727    | 414.926 |         |  |
| 514         | 1980           |                   | -                           | -     | 10.7        | 89° 30'        | +17.3           | +6.6                    |                         | 1042.3               |         | -1864                | -668               | 1056,416    | 414.815 |         |  |
| 515         | 2310           |                   | -                           | -     | 9.7         | 89° 30'        | +20.2           | +10.5                   |                         | 1046.2               |         | -2175                | -779               | 1056,105    | 414.704 |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |            |              |        |                  |     |               |               |      |    |
|------|---------|----------------|-------------|---------|------------|--------------|--------|------------------|-----|---------------|---------------|------|----|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALOVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4             | PAGE | 37 |
| AREA | ARIZ.   | TOPO MAP       | Bouse - 15' | STATE   | ARIZ.      | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. Mc CLELLAN |      |    |

| 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<br>X<br>TP | NORTH +<br>SOUTH - | EAST +<br>WEST - | COORDINATES |         | REMARKS |
|-------------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|--------------------|------------------|-------------|---------|---------|
|             |                |                   |                             |        |             |                |                 |                         |                         |                      |               | LAT.               | DEP.             | Y           | X       |         |
|             |                |                   |                             |        |             |                |                 |                         | 1035.7                  |                      |               |                    |                  |             |         |         |
| 516         | 2640           |                   | 186° 13'                    | +13.5° | 12.0        | 89° 30'        | +23.0           | +11.0                   |                         | 1046.7               |               | -2485              | -891             | 1055,795    | 414,592 |         |
| 517         | 2970           |                   | -                           | -      | 6.7         | 89° 30'        | +25.9           | +19.2                   |                         | 1054.9               |               | -2796              | -1002            | 1055,484    | 414,481 |         |
| 518         | 3299           |                   | -                           | -      | 12.0        | 89° 20'        | +38.4           | +26.4                   |                         | 1062.1               |               | -3106              | -1113            | 1055,174    | 414,370 |         |
| 519         | 3625           |                   | 185° 33' 09"                | -      | 7.7         | 89° 20'        | +42.2           | +34.5                   | 134.8                   | 1070.5               | TP            | -3426              | -1183            | 1,054.856   | 414,302 |         |
| 519         | 3625           |                   |                             |        | 7.2         | 270° 40'       | +42.2           | +35.0                   |                         |                      | TP            |                    | +2               |             |         |         |
|             | 1936           |                   | 346° 58' 45"                | +13.5° | 10.9        | -              |                 | +10.9                   | 107.7                   | 1081.2               | BS            | -1936              | -16              |             |         |         |
|             | 1936           |                   |                             |        | 10.4        | 270° -         |                 | +10.4                   |                         |                      | BS            |                    | +2               |             |         |         |
| 520         | 1609           |                   | 345° 50'                    | -      | 11.5        | 90° 10'        | -4.7            | -16.2                   |                         | 1065.0               |               | +1609              | -19              | 1054,531    | 414,269 |         |
| 521         | 1294           |                   | 348° 40'                    | -      | 8.1         | 90° 10'        | -3.8            | -11.9                   |                         | 1069.3               |               | +1293              | +49              | 1054,215    | 414,337 |         |
| 522         | 978            |                   | 352° 30'                    | -      | 15.0        | 90° 40'        | -11.4           | -26.4                   |                         | 1054.8               |               | +973               | +102             | 1053,895    | 414,390 |         |
| 523         | 656            |                   | 348° 10'                    | -      | 7.0         | 90° 40'        | -7.6            | -14.6                   |                         | 1066.6               |               | +656               | +19              | 1053,578    | 414,307 |         |
| 524         | 328            |                   | 342° 40'                    | -      | 4.7         | 90° 40'        | -3.8            | -8.5                    |                         | 1072.7               |               | +327               | -22              | 1053,249    | 414,266 |         |
| 525         | 0              |                   |                             |        | 5.1         | -              |                 | -5.1                    |                         | 1076.1               | X             | 0                  | 0                | 1052,922    | 414,288 |         |
| 526         | 323            |                   | 144° 20'                    | +13.5° | 10.0        | 90° 40'        | -3.8            | -13.8                   |                         | 1067.4               |               | -299               | +122             | 1052,623    | 414,410 |         |
| 527         | 639            |                   | 157° 30'                    | -      | 12.8        | 91° -          | -11.2           | -24.0                   |                         | 1057.2               |               | -631               | +100             | 1052,391    | 414,388 |         |
| 528         | 961            |                   | 157° 10'                    | -      | 10.3        | 90° 40'        | -11.2           | -21.5                   |                         | 1059.7               |               | -948               | +156             | 1051,974    | 414,444 |         |
| 529         | 1270           |                   | 151° 30'                    | -      | 6.7         | 90° 20'        | -7.4            | -14.1                   |                         | 1067.1               |               | -1227              | +329             | 1051,695    | 414,617 |         |
| 530         | 1582           |                   | 147° 56'                    | -      | 12.1        | 90° 20'        | -9.2            | -21.3                   |                         | 1059.9               |               | -1500              | +504             | 1051,422    | 414,792 |         |
| 531         | 1912           |                   | 149° -                      | -      | 11.6        | 90° 20'        | -11.1           | -22.7                   |                         | 1058.5               |               | -1824              | +575             | 1051,098    | 414,863 |         |
| 532         | 2234           |                   | 150° 31'                    | -      | 11.1        | 90° 10'        | -6.5            | -17.6                   |                         | 1063.6               |               | -2148              | +615             | 1050,774    | 414,903 |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |           |         |             |              |        |                  |     |          |   |      |               |               |
|------|---------|----------------|-----------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|---------------|
| DATE | 2-25-86 | INSTRUMENT MAN | B Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 38            |               |
| AREA | ARIZONA | TOPO MAP       | Bouse-15  | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. Mc CLELLAN |

| 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       |  |  |
|                |                |                   |                             |       |             |                |                 |                         | 1081.2                  |                      |         |                 |               |             |         |  |  |
| 533            | 2556           |                   | 152° 05'                    | +13.5 | 6.3         | -              |                 | -6.3                    |                         | 1074.9               |         | -2476           | +636          | 1059.446    | 414.924 |  |  |
| 534            | 2881           |                   | 152° 52' 09"                | -     | 5.8         | -              |                 | -5.8                    | } 5.53                  | 1075.7               | TP      | -2800           | +679          | 1050.124    | 414.969 |  |  |
| 534            | 2881           |                   |                             |       | 5.3         | -              |                 | -5.3                    |                         | TP                   |         | "2              | "2            |             |         |  |  |
|                | 2556           |                   | 330° 26' 09"                | -     | +13.4       | BH             | +12.8           | +26.2                   |                         | } 26.03              | 1101.7  | BS              | -2456         | +707        |         |  |  |
|                | 2556           |                   |                             |       | +12.9       | BH 270         | +12.8           | +25.7                   | BS                      |                      |         | "2              | "2            |             |         |  |  |
| 535            | 2250           |                   | 333° 10'                    | -     | 13.9        | 90° 31'        | -20.3           | -34.2                   |                         | 1067.5               |         | +2189           | -519          | 1049.859    | 415.159 |  |  |
| 536            | 1962           |                   | 337° 16'                    | -     | 12.8        | 90° 40'        | -22.8           | -35.6                   |                         | 1066.1               |         | +1937           | -315          | 1049.607    | 415.363 |  |  |
| 537            | 1681           |                   | 343° 10'                    | +13.5 | 9.0         | 90° 50'        | -24.5           | -33.5                   |                         | 1068.2               |         | +1678           | -98           | 1049.348    | 415.580 |  |  |
| Sec<br>Corm. + | 1729           |                   | 358° 53' 21"                | -     | 8.4         | 90° 50'        | -25.2           | -33.6                   |                         | 1068.1               | +       | +1689           | +371          | 1049.359    | 416.049 | 7-1049.380 x -416.035<br>Section corner EL. 1066.0 |  |
| 538            | 1431           |                   | 351° 10'                    | -     | 12.0        | 90° 50'        | -20.8           | -32.8                   |                         | 1068.9               |         | +1426           | +116          | 1049.096    | 415.794 |  |  |
| 539            | 1188           |                   | 0° 40'                      | -     | 13.8        | 90° 54'        | -18.7           | -32.5                   |                         | 1069.2               |         | +1152           | +291          | 1048.822    | 415.969 |  |  |
| 540            | 878            |                   | 6° 50'                      | -     | 6.8         | 90° 50'        | -12.8           | -19.6                   |                         | 1082.1               |         | +823            | +305          | 1048.493    | 415.983 |  |  |
| 541            | 556            |                   | 1° 40'                      | -     | 13.0        | 90° 50'        | -8.1            | -21.1                   |                         | 1080.6               |         | +537            | +145          | 1048.207    | 415.823 |  |  |
| 542            | 267            |                   | 337° 40'                    | -     | 10.9        | 90° 50'        | -3.9            | -14.8                   |                         | 1086.9               |         | +264            | -41           | 1047.934    | 415.637 |  |  |
| X              | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1096.6               | X       | 0               | 0             | 1047.670    | 415.678 |  |  |
| 543            | 218            |                   | 252° 50'                    | +13.5 | 5.4         | 91° 10'        | -4.4            | -9.8                    |                         | 1091.9               |         | -14             | -218          | 1047.656    | 415.460 |  |  |
| Y              | 241            |                   | <del>252</del> 241 10 45    | -     | 2.7         | 91° 10'        | -4.9            | -7.6                    |                         | 1094.1               | Y       | -64             | -232          | 1047.606    | 415.446 | 5-1047.615 x -415.470<br>Y - 214 EL. 1095.0        |  |
| 544            | 478            |                   | 215° 25'                    | -     | 7.0         | -              |                 | -7.0                    |                         | 1094.7               |         | -314            | -360          | 1047.356    | 415.318 |  |  |
| 545            | 769            |                   | 201° -                      | -     | 9.0         | 89° 30'        | +6.7            | -2.3                    |                         | 1099.4               |         | -634            | -436          | 1047.336    | 415.242 |  |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                              |                        |                      |                             |               |            |
|-----------------|------------------------------|------------------------|----------------------|-----------------------------|---------------|------------|
| DATE<br>2-25-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S.    | LINE NO.<br>4 | PAGE<br>39 |
| AREA<br>ARIZ.   | TOP MAP<br>Bouse - 15        | STATE<br>AZ.           | COUNTY<br>LA PAR     | TWP                         | RANGE         | PPM        |
|                 |                              |                        |                      | PARTY MANAGER<br>J. McCLEAN |               |            |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |              | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--------------|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |              |         |
|             |                |                   |                             |       |             |                |                 |                         | 1101.7                  |                      |               |                 |       |               |         |             |              |         |
| 546         | 1097           |                   | 200° 15'                    | +13.5 | 11.0        | 89° 30'        | +9.6            | -1.4                    |                         | 1100.3               |               | -912            | -609  | 1046758       | 415.069 |             |              |         |
| 547         | 1426           |                   | 203° -                      | -     | 13.0        | 89° 30'        | +12.4           | -0.6                    |                         | 1101.1               |               | -1146           | -848  | 1046524       | 414.830 |             |              |         |
| 548         | 1745           |                   | 202° 05'                    | -     | 11.8        | 89° 30'        | +15.2           | +3.4                    |                         | 1105.1               |               | -1419           | -1015 | 1046251       | 414.663 |             |              |         |
| 549         | 2051           |                   | 198° 20'                    | -     | 9.8         | 89° 40'        | +11.9           | +2.1                    |                         | 1103.8               |               | -1743           | -1082 | 1045927       | 414.596 |             |              |         |
| 550         | 2581           |                   | 197° 56'                    | -     | 6.2         | 89° 46'        | +9.7            | +3.5                    |                         | 1105.2               |               | -2032           | -1242 | 1045638       | 414.436 |             |              |         |
| 551         | 2708           |                   | 196° 51' 28"                | +13.2 | 13.7        | 89° 36'        | +18.9           | +5.2                    |                         |                      | TP            | -2344           | -1356 | 1045328       | 414.324 |             |              |         |
| 551         | 2708           |                   |                             |       | 13.2        | 270° 24'       | +18.9           | +5.7                    | 5.55                    | 1107.2               | TP            | +2              | +2    |               |         |             |              |         |
|             | 1969           |                   | 7° 50' 48"                  | -     | 8.6         | 89° 30'        | +17.2           | +25.8                   | 25.7                    | 1132.9               | BS            | -1838           | -707  |               |         |             | 90° 30' back |         |
|             | 1969           |                   |                             |       | 8.3         | 269° 30'       | +17.2           | +25.5                   |                         |                      | BS            | +2              | +2    |               |         |             |              |         |
| 552         | 1644           |                   | 9° 13'                      | -     | 6.2         | 90° 36'        | -17.2           | -23.4                   |                         | 1109.5               |               | +1520           | +627  | 1045912       | 414.246 |             |              |         |
| 553         | 1314           |                   | 10° 32'                     | -     | 6.9         | 90° 30'        | -11.5           | -18.4                   |                         | 1114.5               |               | +1203           | +529  | 1044695       | 414.148 |             |              |         |
| 554         | 985            |                   | 11° 25'                     | -     | 6.0         | 90° 30'        | -8.6            | -14.6                   |                         | 1118.3               |               | +895            | +410  | 1044387       | 414.029 |             |              |         |
| 555         | 656            |                   | 9° 15'                      | -     | 4.7         | 90° 30'        | -5.7            | -10.4                   |                         | 1122.5               |               | +606            | +251  | 1044098       | 413.870 |             |              |         |
| 556         | 330            |                   | 3° 30'                      | -     | 4.5         | 90° 30'        | -2.9            | -7.4                    |                         | 1125.5               |               | +316            | +95   | 1043808       | 413.714 |             |              |         |
| 557         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1127.8               | TP            | 0               | 0     | 1043492       | 413.619 |             |              |         |
| 558         | 324            |                   | 188° 45'                    | +13.2 | 6.5         | 89° 30'        | +2.8            | -3.7                    |                         | 1129.2               |               | -301            | -121  | 1043191       | 413.498 |             |              |         |
| 559         | 645            |                   | 197° 20'                    | -     | 4.7         | 89° 30'        | +5.6            | +0.9                    |                         | 1133.8               |               | -556            | -328  | 1042930       | 413.291 |             |              |         |
| 560         | 966            |                   | 192° 20'                    | -     | 6.1         | 89° 20'        | +11.2           | +5.1                    |                         | 1138.0               |               | -872            | -416  | 1042620       | 413.203 |             |              |         |
| 561         | 1290           |                   | 189° 10'                    | -     | 8.2         | 89° 20'        | +15.0           | +6.8                    |                         | 1139.7               |               | -1193           | -491  | 1042799       | 413.128 |             |              |         |
| 562         | 1619           |                   | 188° 50'                    | -     | 7.9         | 89° 20'        | +18.8           | +10.9                   |                         | 1143.8               |               | -1501           | -607  | 1041991       | 413.012 |             |              |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |               |              |      |    |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|---------------|--------------|------|----|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4            | PAGE | 40 |
| AREA | ARIZONA | TOP MAP        | Bouse-15   | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. M. CLEMAN |      |    |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS           |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|             |                |                   |                             |       |             |                |                 |                         | 1132.9                  |                      |               |                         |                       |                   |
| 563         | 1943           |                   | 190° 30'                    | +13.2 | 7.9         | 89° 20'        | +22.6           | +14.7                   |                         | 1147.6               |               | -1779                   | -781                  | 1041,713 412,838  |
| 564         | 2263           |                   | 188° 05'                    | -     | 5.6         | 89° 26'        | +22.4           | +16.8                   |                         | 1149.7               |               | -2109                   | -821                  | 1041,383 412,798  |
| 565         | 2579           |                   | 186° 42' 56"                | -     | 11.9        | 89° 10'        | +37.5           | +25.6                   |                         |                      | TP            | -2425                   | -878                  | 1,041,069 412,743 |
| 565         | 2579           |                   |                             |       | 11.5        | 270° 50'       | +37.5           | +26.0                   | +25.83                  | 1158.7               | TP            | +2                      | +2                    |                   |
|             | 3531           |                   | 19° 10' 18"                 | +13.2 | 9.9         | 90° 46'        | +41.1           | +51.6                   |                         |                      | BS            | -2982                   | -1890                 |                   |
|             | 3531           |                   |                             |       | 9.4         | 268° 20'       | +41.1           | +55.5                   | +50.83                  | 1207.5               | BS            | +2                      | +2                    |                   |
| 566         | 3201           |                   | 19° 16'                     | -     | 5.6         | 90° 46'        | -42.8           | -48.4                   |                         | 1161.1               |               | +2701                   | +1718                 | 1040,790 412,573  |
| 567         | 2874           |                   | 18° 47'                     | -     | 13.3        | 90° 40'        | -33.4           | -46.7                   |                         | 1162.8               |               | +2438                   | +1522                 | 1040,527 412,377  |
| 568         | 2540           |                   | 18° 15'                     | -     | 10.2        | 90° 46'        | -34.0           | -44.2                   |                         | 1165.3               |               | +2167                   | +1325                 | 1040,256 412,180  |
| 569         | 2222           |                   | 16° 40'                     | -     | 11.0        | 90° 46'        | -29.7           | -40.7                   |                         | 1168.8               |               | +1927                   | +1107                 | 1040,016 411,962  |
| 570         | 1909           |                   | 13° 55'                     | -     | 12.0        | 90° 46'        | -25.5           | -37.5                   |                         | 1172.0               |               | +1699                   | +870                  | 1039,788 411,725  |
| 571         | 1581           |                   | 12° 25'                     | -     | 9.6         | 91° -          | -27.6           | -37.2                   |                         | 1172.3               |               | +1426                   | +684                  | 1039,515 411,539  |
| 572         | 1255           |                   | 14° 40'                     | -     | 13.9        | 91° -          | -21.9           | -35.8                   |                         | 1173.7               |               | +1109                   | +587                  | 1039,198 411,442  |
| 573         | 930            |                   | 18° 10'                     | -     | 13.2        | 91° -          | -16.2           | -29.4                   |                         | 1180.1               |               | +794                    | +484                  | 1038,883 411,339  |
| 574         | 611            |                   | 24° -                       | -     | 13.3        | 91° -          | -10.7           | -24.0                   |                         | 1185.5               |               | +487                    | +369                  | 1038,576 411,224  |
| 575         | 281            |                   | -                           | -     | 7.8         | 91° -          | -4.9            | -12.7                   |                         | 1196.8               |               | +224                    | +170                  | 1038,313 411,025  |
| π           | 0              |                   |                             |       | 5.1         | -              | -               | -5.1                    |                         | 1204.4               | π             | 0                       | 0                     | 1,038,089 410,855 |
| 576         | 49             |                   | 205° 30'                    | +13.2 | 5.0         | -              | -               | -5.0                    |                         | 1204.5               |               | -38                     | -31                   | 1038,051 410,824  |
| 577         | 379            |                   | -                           | -     | 6.4         | 89° 30'        | +3.3            | -3.1                    |                         | 1206.4               |               | -296                    | -237                  | 1037,793 410,618  |
| 578         | 706            |                   | 201° 50'                    | -     | 6.8         | 89° 30'        | +6.2            | -0.6                    |                         | 1208.9               |               | -578                    | -405                  | 1037,511 410,450  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |          |         |             |              |        |                  |      |          |   |               |              |
|------|---------|----------------|----------|---------|-------------|--------------|--------|------------------|------|----------|---|---------------|--------------|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Stamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S. | LINE NO. | 4 | PAGE          | 41           |
| AREA | ARIZONA | TOPO MAP       | Bouse-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM           |              |
|      |         |                |          |         |             |              |        |                  |      |          |   | PARTY MANAGER | J. McClellan |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1209.5                  |                      |               |                 |       |               |         |             |  |         |  |
| 579         | 1032           |                   | 198° 45'                    | +13.2 | 9.2         | 89° 30'        | +9.0            | -0.2                    |                         | 1209.3               |               | - 876           | -546  | 1037,213      | 410,309 |             |  |         |  |
| 580         | 1361           |                   | 197° 25'                    | -     | 11.1        | 89° 30'        | +11.9           | +0.8                    |                         | 1210.3               |               | - 1171          | -693  | 1036,918      | 410,162 |             |  |         |  |
| 581         | 1691           |                   | 196° 30'                    | -     | 9.7         | 89° 30'        | +14.8           | +5.1                    |                         | 1214.6               |               | - 1469          | -838  | 1036,620      | 410,017 |             |  |         |  |
| 582         | 2005           |                   | 194° -                      | -     | 9.8         | 89° 20'        | +23.3           | +13.5                   |                         | 1223.0               |               | - 1783          | -916  | 1036,306      | 409,939 |             |  |         |  |
| 583         | 2304           |                   | 190° 30'                    | -     | 9.0         | 89° 10'        | +33.5           | +24.5                   |                         | 1234.0               |               | - 2110          | -926  | 1035,979      | 409,929 |             |  |         |  |
| 584         | 2636           |                   | 191° 04 04                  | -     | 14.3        | 89° 10'        | +38.3           | +24.0                   |                         |                      | TP            | - 2403          | -1083 | 1,035,688     | 409,774 |             |  |         |  |
| 584         | 2636           |                   |                             |       | 13.8        | 270° 50'       | +38.3           | +24.5                   | +24.3                   | 1233.8               | TP            |                 | +2    |               |         |             |  |         |  |
|             | 2258           |                   | 5° 31' 48"                  | +13.2 | 9.7         | BH             | +11.3           | +21.6                   |                         |                      | BS            | - 2138          | -725  |               |         |             |  |         |  |
|             | 2258           |                   |                             |       | 9.3         | BH 270°        | +11.3           | +20.6                   | +20.8                   | 1254.6               | BS            |                 | +2    |               |         |             |  |         |  |
| 585         | 1943           |                   | 8° 10'                      | -     | 12.1        | 90° 30'        | -17.0           | -29.1                   |                         | 1225.5               |               | + 1809          | +708  | 1035,361      | 409,759 |             |  |         |  |
| 586         | 1637           |                   | 11° 35'                     | -     | 14.0        | 90° 30'        | -14.3           | -28.3                   |                         | 1226.3               |               | + 1486          | +686  | 1035,038      | 409,737 |             |  |         |  |
| 587         | 1318           |                   | 15° 30'                     | -     | 11.4        | 90° 40'        | -15.3           | -26.7                   |                         | 1227.9               |               | + 1156          | +633  | 1034,708      | 409,684 |             |  |         |  |
| 588         | 989            |                   | 16° -                       | -     | 10.8        | 90° 40'        | -11.5           | -22.3                   |                         | 1232.3               |               | + 863           | +482  | 1034,415      | 409,533 |             |  |         |  |
| 589         | 660            |                   | 15° 10'                     | -     | 7.8         | 90° 40'        | -7.7            | -15.5                   |                         | 1239.1               |               | + 581           | +314  | 1034,133      | 409,365 |             |  |         |  |
| 590         | 330            |                   | 14° -                       | -     | 6.7         | 90° 40'        | -3.8            | -10.5                   |                         | 1244.1               |               | + 294           | +151  | 1033,846      | 409,202 |             |  |         |  |
| 591         | 0              |                   |                             |       | 5.1         | -              | -               | -5.1                    |                         | 1249.5               | X             | 0               | 0     | 1,033,552     | 409,051 |             |  |         |  |
| 592         | 330            |                   | 201° 15'                    | +13.2 | 6.4         | 89° 40'        | +1.9            | -4.5                    |                         | 1250.1               |               | - 272           | -187  | 1033,280      | 408,864 |             |  |         |  |
| 593         | 660            |                   | 201° 30'                    | -     | 5.2         | 89° 40'        | +3.8            | -1.4                    |                         | 1253.2               |               | - 543           | -376  | 1033,009      | 408,675 |             |  |         |  |
| 594         | 981            |                   | 197° 25'                    | -     | 7.0         | 89° 30'        | +8.6            | +1.6                    |                         | 1256.2               |               | - 844           | -500  | 1032,708      | 408,551 |             |  |         |  |
| 595         | 1293           |                   | 191° 40'                    | -     | 7.9         | 89° 30'        | +11.3           | +3.4                    |                         | 1258.0               |               | - 1173          | -544  | 1032,379      | 408,507 |             |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |     |          |   |      |               |              |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 42            |              |
| AREA | ARIZONA | TOPO MAP       | Couse - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES  |                    | REMARKS    |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|--------------|--------------------|------------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |              |                    |            |  |
|             |                |                   |                             |       |             |                |                 |                         | 1254.6                  |                      |               |                 |       |               |         |              |                    |            |  |
| 596         | 1610           |                   | 188° 15'                    | +13.2 | 16.0        | 89° 24'        | +16.9           | +6.9                    |                         | 1261.5               |               | -1498           | -589  | 1032054       | 408.462 |              |                    |            |  |
| TP          | 1714           |                   | 187° 04 48                  | -     | 12.7        | 89° 20'        | +19.9           | +7.2                    |                         |                      | TP            | -1608           | -594  | 1,031,946     | 408,459 |              |                    |            |  |
| TP          | 1714           |                   |                             |       | 12.4        | 270° 40'       | +19.9           | +7.5                    | +7.43                   | 1262.0               | TP            | "2              | "2    |               |         |              |                    |            |  |
|             | 1162           |                   | 354° 14 40                  | -     | 4.2         | 91° -          | +20.3           | +24.5                   |                         |                      | BS            | -1152           | -151  |               |         |              |                    |            |  |
|             | 1162           |                   |                             |       | 4.0         | 269° -         | +20.3           | +24.3                   | +24.43 1286.4           |                      | BS            | "2              | "2    |               |         |              |                    |            |  |
| 597         | 941            |                   | 353° 55'                    | +13.2 | 5.5         | 91° -          | -16.4           | -21.9                   |                         | 1264.5               |               | +934            | +117  | 1031730       | 408.427 |              |                    |            |  |
| 598         | 611            |                   | -                           | -     | 6.7         | 91° -          | -10.7           | -17.4                   |                         | 1269.0               |               | +606            | +76   | 1031402       | 408,386 |              |                    |            |  |
| 599         | 281            |                   | -                           | -     | 6.5         | 91° -          | -4.9            | -11.4                   |                         | 1275.0               |               | +279            | +35   | 1031075       | 408.345 |              |                    |            |  |
| #           | 124            |                   | 0° 48 38                    | -     | 8.7         | 91° -          | -2.2            | -10.9                   |                         | 1275.5               | #             | +120            | +30   | 1,030,916     | 408.340 | # WASH       | 1030940 x -408,400 |            |  |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1281.3               | π             | 0               | 0     | 1,030,796     | 408.310 |              |                    |            |  |
| 600         | 64             |                   | 226° 30'                    | +13.2 | 5.3         | 89° 10'        | +0.9            | -4.4                    |                         | 1282.0               |               | -32             | -55   | 1030764       | 408.255 |              |                    |            |  |
| 601         | 392            |                   | 212° 26'                    | -     | 4.4         | 89° -          | +6.8            | +2.4                    |                         | 1288.8               |               | -275            | -280  | 1030521       | 408,030 |              |                    |            |  |
| 602         | 714            |                   | 207° 15'                    | -     | 6.3         | 89° -          | +12.5           | +6.2                    |                         | 1292.6               |               | -543            | -463  | 1030253       | 407.847 |              |                    |            |  |
| IF          | 740            |                   | 206° 47 12                  | -     | 6.2         | 89° -          | +12.9           | +6.7                    |                         | 1293.1               | IF            | -567            | -475  | 1,030,229     | 407.835 | IF 7 - enter | 1030200 x -407,895 | EL. 1296.0 |  |
| 603         | 1038           |                   | 202° 20'                    | -     | 14.0        | 88° 46'        | +22.3           | +8.3                    |                         | 1294.7               |               | -845            | -603  | 1029951       | 407,707 |              |                    |            |  |
| 604         | 1364           |                   | 198° 50'                    | +13.2 | 6.7         | 88° 50'        | +25.4           | +18.7                   |                         | 1305.1               |               | -1156           | -723  | 1029640       | 407,587 |              |                    |            |  |
| 605         | 1686           |                   | 196° 50'                    | -     | 14.0        | 88° 56'        | +31.4           | +17.4                   |                         | 1303.8               |               | -1460           | -844  | 1029336       | 407,466 |              |                    |            |  |
| 606         | 2011           |                   | 195° 10'                    | -     | 9.7         | 88° 56'        | +37.4           | +27.7                   |                         | 1314.1               |               | -1770           | -955  | 1029026       | 407,355 |              |                    |            |  |
| 607         | 2339           |                   | 194° 49 34                  | -     | 13.5        | 88° 56'        | +43.5           | +30.0                   | +30.33                  | 1316.7               | TP            | -2064           | -1099 | 1,028,734     | 407,213 |              |                    |            |  |
| 607         | 2339           |                   |                             |       | 13.0        | 271° 04'       | +43.5           | +30.5                   |                         |                      | TP            | "2              | "2    |               |         |              |                    |            |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |      |          |   |      |               |              |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|--------------|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S. | LINE NO. | 4 | PAGE | 43            |              |
| AREA | ARIZONA | TOPO MAP       | Bouse-15   | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES |         | REMARKS |
|-------------|----------------|-------------------|-----------------------------|--------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|---------|
|             |                |                   |                             |        |             |                |                 |                         |                         |                      |               | LAT.            | DEP.          | Y           | X       |         |
|             |                |                   |                             |        |             |                |                 |                         |                         | 1316.7               |               |                 |               |             |         |         |
|             | 1299           |                   | 22° 29' 15"                 | +13.2' | 13.6        | BH             | +6.5            | +20.1                   | } +20.0' } 1336.7       |                      | BS            | -1055           | -758          |             |         |         |
|             | 1299           |                   |                             |        | 13.3        | BH 270         | +6.5            | +19.8                   |                         | BS                   |               | +2              | +2            |             |         |         |
| 608         | 975            |                   | 20° 05'                     | -      | 7.7         | 90° 30'        | -8.5            | -16.2                   |                         | 1320.5               |               | +815            | +535          | 1028496     | 406.992 |         |
| 609         | 656            |                   | 14° 10'                     | -      | 5.9         | 90° 30'        | -5.7            | -11.6                   |                         | 1325.1               |               | +583            | +302          | 1028264     | 406.759 |         |
| 610         | 330            |                   | 9° 35'                      | -      | 6.1         | 90° 30'        | -2.9            | -9.0                    |                         | 1327.7               |               | +304            | +128          | 1027985     | 406.585 |         |
| 611         | 0              |                   |                             |        | 5.1         | -              |                 | -5.1                    |                         | 1331.6               | X             | 0               | 0             | 1027681     | 406.457 |         |
| 612         | 330            |                   | 188° 50'                    | +13.2' | 5.7         | 89° -          | +5.8            | +0.1                    |                         | 1336.8               |               | -306            | -124          | 1027375     | 406.333 |         |
| 613         | 660            |                   | -                           | -      | 6.2         | 89° -          | +11.5           | +5.3                    |                         | 1342.0               |               | -612            | -248          | 1027069     | 406.209 |         |
| 614         | 989            |                   | 189° 55'                    | -      | 7.0         | 89° -          | +17.3           | +10.3                   |                         | 1347.0               |               | -910            | -388          | 1026771     | 406.069 |         |
| 615         | 1314           |                   | 192° 15'                    | -      | 70.0        | 88° 26'        | +35.9           | +15.9                   |                         | 1352.6               |               | -1186           | -565          | 1026495     | 405.892 |         |
| TP          | 1483           |                   | 197° 22' 58"                | -      | 6.7         | 89° -          | +25.9           | +19.2                   | } +19.4' }              |                      | TP            | -1277           | -754          | 1026406     | 405.705 |         |
| TP          | 1483           |                   | 1                           |        | 6.4         | 271° -         | +25.9           | +19.5                   |                         | TP                   |               | +2              | +2            |             |         |         |
|             | 1662           |                   | 17° 08' 38"                 | +13.2' | 13.5        | 91° -          | +29.0           | +42.5                   | } +42.3' } 1378.4       |                      | BS            | -1434           | -840          |             |         |         |
|             | 1662           |                   |                             |        | 13.0        | 269° -         | +29.0           | +42.0                   |                         | BS                   |               | +2              | +2            |             |         |         |
| 616         | 1551           |                   | 15° 10'                     | -      | 9.8         | 91° 10'        | -31.6           | -41.4                   |                         | 1357.0               |               | +1365           | +737          | 1026339     | 405.604 |         |
| 617         | 1234           |                   | 11° 30'                     | -      | 8.2         | 91° 10'        | -25.1           | -33.3                   |                         | 1365.1               |               | +1121           | +516          | 1026095     | 405.383 |         |
| 618         | 907            |                   | 9° 22'                      | -      | 5.9         | 91° 10'        | -18.5           | -24.4                   |                         | 1374.0               |               | +838            | +348          | 1025812     | 405.215 |         |
| 619         | 578            |                   | 9° 40'                      | -      | 6.5         | 91° 10'        | -11.8           | -18.3                   |                         | 1380.1               |               | +533            | +225          | 1025507     | 405.092 |         |
| 620         | 249            |                   | 12° 50'                     | -      | 6.0         | 91° 10'        | -5.1            | -11.1                   |                         | 1387.3               |               | +224            | +109          | 1025198     | 404.976 |         |
| X           | 0              |                   |                             |        | 5.1         | -              |                 | -5.1                    |                         | 1393.3               | X             | 0               | 0             | 1024974     | 404.867 |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |          |         |             |              |        |                  |     |          |   |      |               |              |
|------|---------|----------------|----------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-25-86 | INSTRUMENT MAN | B. Camp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 44            |              |
| AREA | ARIZONA | TOPO MAP       | Bouse-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|                   |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|                   |                |                   |                             |       |             |                |                 |                         | 1398.4                  |                      |               |                 |       |               |         |             |  |         |  |
| 621               | 83             |                   | 220° 40'                    | +13.2 | 5.0         | 89° 40'        | +0.5            | -4.5                    |                         | 1393.9               |               | - 49            | -67   | 1024925       | 404,800 |             |  |         |  |
| 622               | 409            |                   | 207° 30'                    | -     | 6.4         | 88° 40'        | +9.5            | +3.1                    |                         | 1401.5               |               | - 310           | -267  | 1024664       | 404,600 |             |  |         |  |
| 623               | 738            |                   | 208° 10'                    | -     | 8.0         | 88° 40'        | +17.2           | +9.2                    |                         | 1407.6               |               | - 554           | -488  | 1024420       | 404,379 |             |  |         |  |
| #1                | 903            |                   | 208° 27' 18"                | -     | 8.7         | 88° 40'        | +21.0           | +12.3                   |                         | 1410.7               | #1            | -675            | -600  | 1024299       | 404,267 |             |  |         | #1 - 1024,300 x -404,280<br>T - T <sub>1</sub> |
| <del>624</del> TP | 986            |                   | 209° 56' 24"                | +13.0 | 9.7         | 88° 40'        | +22.9           | +13.2                   |                         |                      | TP            | -722            | -672  | 1024254       | 404,196 |             |  |         |  |
| TP                | 986            |                   |                             |       | 9.4         | 271° 20'       | +22.9           | +13.5                   | +13.4                   | 1411.8               | TP            | +2              | "     |               |         |             |  |         |  |
|                   | 1278           |                   | 66° 55' 20"                 | -     | +11.5       | 90° 30'        | +11.2           | +22.7                   |                         |                      | BS            | -224            | -1258 |               |         |             |  |         |  |
|                   | 1278           |                   |                             |       | +11.3       | 269° 30'       | +11.2           | +22.5                   | +22.6                   | 1434.4               | BS            | +2              | "     |               |         |             |  |         |  |
| 624               | 1190           |                   | 66° 24'                     | -     | 6.2         | 90° 56'        | -19.4           | -25.6                   |                         | 1408.8               |               | +219            | +1170 | 1024251       | 404,108 |             |  |         |  |
| 625               | 886            |                   | 59° 05'                     | -     | 12.9        | 91° -          | -15.5           | -28.4                   |                         | 1406.0               |               | +273            | +843  | 1024305       | 403,781 |             |  |         |  |
| 626               | 573            |                   | 51° 40'                     | -     | 5.3         | 91° -          | -10.0           | -15.3                   |                         | 1419.1               |               | + 245           | +518  | 1024277       | 403,456 |             |  |         |  |
| 627               | 243            |                   | 53° 10'                     | -     | 8.8         | -              | -               | -8.8                    |                         | 1425.6               |               | + 98            | +222  | 1024130       | 403,160 |             |  |         |  |
| K                 | 0              |                   |                             |       | 5.1         | -              | -               | -5.1                    |                         | 1429.3               | K             | 0               | 0     | 1,024,032     | 402,938 |             |  |         |  |
| 628               | 86             |                   | 229° -                      | +13.0 | 8.7         | -              | -               | -8.7                    |                         | 1425.7               |               | - 40            | -76   | 1023992       | 402,862 |             |  |         |  |
| 629               | 416            |                   | 235° -                      | -     | 5.4         | -              | -               | -5.4                    |                         | 1429.0               |               | - 156           | -386  | 1023876       | 402,552 |             |  |         |  |
| 630               | 745            |                   | 236° -                      | -     | 7.3         | TH             | +3.7            | -3.6                    |                         | 1430.8               |               | - 267           | -696  | 1023765       | 402,242 |             |  |         |  |
| 631               | 1075           |                   | 236° 20'                    | -     | 4.1         | TH             | +5.4            | +1.3                    |                         | 1435.7               |               | - 379           | -1006 | 1023653       | 401,932 |             |  |         |  |
| 632               | 1400           |                   | 235° 20'                    | -     | 6.8         | 89° 20'        | +16.3           | +9.5                    |                         | 1443.9               |               | - 517           | -1301 | 1023515       | 401,637 |             |  |         |  |
| 633               | 1730           |                   | 234° 40'                    | -     | 7.0         | 89° 10'        | +25.2           | +18.2                   |                         | 1452.6               |               | - 657           | -1600 | 1023375       | 401,338 |             |  |         |  |
| 634               | 2058           |                   | 233° 40'                    | -     | 10.2        | 88° 50'        | +41.9           | +31.7                   |                         | 1466.1               |               | - 815           | -1890 | 1023217       | 401,048 |             |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE        |                | INSTRUMENT MAN    |                             | ROD MAN     |             | PARTY NUMBER   |                 | NOTES CHECKED BY        |                         | LINE NO.             | PAGE          |                 |       |               |         |             |                         |         |        |
|-------------|----------------|-------------------|-----------------------------|-------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|-------------------------|---------|--------|
| 2-26-86     |                | B. Cotcamp        |                             | B. SALDIVAR |             | 6834           |                 | B.S                     |                         | 4                    | 45            |                 |       |               |         |             |                         |         |        |
| AREA        |                | TOPO MAP          |                             | STATE       | COUNTY      |                | TWP             | RANGE                   | PPM                     | PARTY MANAGER        |               |                 |       |               |         |             |                         |         |        |
| ARIZONA     |                | Bouse - 15'       |                             | AZ.         | LA PAZ      |                |                 |                         |                         | J. M. CLELLAN        |               |                 |       |               |         |             |                         |         |        |
| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |                         | REMARKS |        |
|             |                |                   |                             |             |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |                         |         |        |
|             |                |                   |                             |             |             |                |                 |                         | 1434.4                  |                      |               |                 |       |               |         |             |                         |         |        |
| 635         | 2380           |                   | 234° 50'                    | +13.0       | 13.7        | 88° 50'        | +48.5           | +34.8                   |                         | 1469.2               |               | -898            | -2204 | 1023,134      | 400,734 |             |                         |         |        |
| 636         | 2710           |                   | 234° 30'                    | -           | 11.2        | 88° 50'        | +55.2           | +44.0                   |                         | 1478.4               |               | -1037           | -2504 | 1022,995      | 400,434 |             |                         |         |        |
| 637         | 3642           | 3041.2            | 234° 02' 05"                | -           | 14.2        | 88° 40'        | +70.8           | +56.6                   |                         |                      | TP            | -1187           | -2800 | 1,022,847     | 400,138 |             |                         |         |        |
| 637         | 3042           |                   |                             |             | 13.9        | 271° 20'       | +70.8           | +56.9                   | +56.8                   | 1491.2               | TP            |                 | +2    |               |         |             |                         |         |        |
|             | 1542           | 1541.1            | 31° 28' 46"                 | +13.0       | 9.1         | 92° -          | +53.8           | +62.9                   | +62.8                   | 1554.0               | BS            | -1100           | -1080 |               |         |             |                         |         |        |
|             | 1542           |                   |                             |             | 8.8         | 268° -         | +53.8           | +62.6                   |                         |                      | BS            |                 | +2    |               |         |             |                         |         |        |
| 638         | 1237           |                   | 26° 30'                     | -           | 13.2        | 92° -          | -43.2           | -56.4                   |                         | 1497.6               |               | +955            | +787  | 1022,104      | 399,845 |             |                         |         |        |
| 639         | 910            |                   | 21° 40'                     | -           | 11.8        | 92° -          | -31.8           | -43.6                   |                         | 1510.4               |               | +748            | +518  | 1022,497      | 399,576 |             |                         |         |        |
| 640         | 593            |                   | 19° -                       | -           | 8.5         | 92° -          | -20.7           | -29.2                   |                         | 1524.8               |               | +503            | +314  | 1022,52       | 399,372 |             |                         |         |        |
| #           | 314            |                   | 9° 30'                      | -           | 3.6         | 93° -          | -16.4           | -20.0                   |                         | 1534.0               | #             | +290            | +120  | 1,022,039     | 399,178 | #           | 5-1,022,060 x - 399,180 |         | BRIDGE |
| 641         | 279            |                   | 7° 10'                      | -           | 10.3        | 92° -          | -9.7            | -20.0                   |                         | 1534.0               |               | +262            | +96   | 1022,011      | 399,154 |             |                         |         |        |
| π           | 0              |                   |                             |             | 5.1         | -              |                 | -5.1                    |                         | 1548.9               | π             | 0               | 0     | 1,021,749     | 399,058 |             |                         |         |        |
| 642         | 132            |                   | 267° 20'                    | +13.0       | 5.0         | 99° 30'        | -21.8           | -26.8                   |                         | 1527.2               |               | +24             | -130  | 1,021,173     | 398,928 |             |                         |         |        |
| 643         | 390            |                   | 218° 10'                    | -           | 6.3         | 94° 40'        | -31.7           | -38.0                   |                         | 1516.0               |               | -245            | -304  | 1,021,504     | 398,754 |             |                         |         |        |
| 644         | 696            |                   | 205° 30'                    | -           | 7.8         | 92° 40'        | -32.4           | -40.2                   |                         | 1513.8               |               | -545            | -433  | 1,021,204     | 398,625 |             |                         |         |        |
| 645         | 1025           |                   | 203° 40'                    | -           | 5.0         | 92° 40'        | -47.7           | -52.7                   |                         | 1501.3               |               | -822            | -612  | 1,020,927     | 398,446 |             |                         |         |        |
| 646         | 1350           |                   | 201° 10'                    | -           | 7.3         | 92° 20'        | -55.0           | -62.3                   |                         | 1491.7               |               | -1117           | -758  | 1,020,632     | 398,300 |             |                         |         |        |
| 647         | 1679           |                   | 202° 20'                    | -           | 9.9         | 92° -          | -58.6           | -68.5                   |                         | 1485.5               |               | -1370           | -971  | 1,020,379     | 398,087 |             |                         |         |        |
| TP          | 1710           | 1709.0            | 202° 05' 53"                | -           | 8.3         | 92° -          | -59.7           | -68.0                   |                         |                      | TP            | -1398           | -983  | 1,020,353     | 398,075 |             |                         |         |        |
| TP          | 1710           |                   |                             |             | 8.0         | 268° -         | -59.7           | -67.7                   | +67.8                   | 1486.2               | TP            |                 | +2    |               |         |             |                         |         |        |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |     |          |   |      |               |               |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|---------------|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 46            |               |
| AREA | ARIZONA | TOPOG. MAP     | Douse - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  |               |               |
|      |         |                |             |         |             |              |        |                  |     |          |   |      | PARTY MANAGER | J. Mc CLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |      | EAST + WEST - |   | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|------|---------------|---|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP. | Y             | X |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         |                         | 1486.2               |               |                 |      |               |   |             |  |         |  |
|             | 2277           | 2275.4            | 354° 42' 57"                | +13.0 | 3.5         | 87° 50'        | -86.1           | -82.6                   | 82.7 } 1403.5           |                      | BS            | -2255           | -305 |               |   |             |  |         |  |
|             | 2277           |                   |                             |       | +3.2        | 272° 10'       | -86.1           | -82.9                   |                         |                      | BS            | .2              |      |               |   |             |  |         |  |
| 648         | 2072           |                   | 348° 52'                    | -     | 11.0        | 87° 24'        | +94.0           | +83.0                   |                         | 1486.5               |               | +2071           | +67  | 1020,171      |   | 397.837     |  |         |  |
| 649         | 1766           |                   | 345° 20'                    | -     | 6.3         | 87° 40'        | +71.9           | +65.6                   |                         | 1469.1               |               | +1765           | -51  | 1019,805      |   | 397.719     |  |         |  |
| 650         | 1510           |                   | 338° 05'                    | -     | 12.7        | 87° 40'        | +61.5           | +48.8                   |                         | 1452.3               |               | +1492           | -234 | 1019,542      |   | 397.536     |  |         |  |
| 651         | 1188           |                   | 336° 15'                    | -     | 6.4         | 88° 20'        | +34.6           | +28.2                   |                         | 1431.7               |               | +1167           | -222 | 1019,267      |   | 397.548     |  |         |  |
| 652         | 859            |                   | - -                         | +13.0 | 10.1        | 88° 20'        | +25.0           | +14.9                   |                         | 1418.4               |               | +844            | -160 | 1018,944      |   | 397.610     |  |         |  |
| 653         | 530            |                   | 334° 05'                    | -     | 7.8         | 89° 10'        | +7.7            | -0.1                    |                         | 1403.4               |               | +517            | -118 | 1018,617      |   | 397.652     |  |         |  |
| 654         | 205            |                   | 325° 17'                    | -     | 9.8         | 92° 10'        | -7.8            | -17.6                   |                         | 1385.9               |               | +190            | -76  | 1018,290      |   | 397.694     |  |         |  |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1398.4               | X             | 0               | 0    | 1018,100      |   | 397.770     |  |         |  |
| 655         | 222            |                   | 230° 50'                    | +13.0 | 12.1        | 93° 10'        | -12.3           | -24.4                   |                         | 1379.1               |               | -98             | -199 | 1018,002      |   | 397.571     |  |         |  |
| 656         | 541            |                   | 216° 30'                    | -     | 8.0         | 92° 40'        | +25.2           | -33.2                   |                         | 1370.3               |               | -351            | -411 | 1017,749      |   | 397.359     |  |         |  |
| 657         | 864            |                   | 211° 35'                    | -     | 5.1         | 92° 40'        | -40.2           | -45.3                   |                         | 1358.2               |               | -615            | -606 | 1017,485      |   | 397.144     |  |         |  |
| 658         | 1150           |                   | 202° - -                    | -     | 15.0        | 92° 22'        | -47.5           | -62.5                   |                         | 1341.0               |               | -942            | -660 | 1017,158      |   | 397.110     |  |         |  |
| 659         | 1447           | 1446.0            | 196° 05' 33"                | +13.2 | 8.1         | 92° 10'        | -54.7           | -62.8                   | 62.6 } 1340.9           |                      | TP            | -1261           | -707 | 1016,841      |   | 397.063     |  |         |  |
| 659         | 1447           |                   |                             |       | 7.8         | 267° 50'       | -54.7           | -62.5                   |                         |                      |               | TP              | .2   |               |   |             |  |         |  |
|             | 1860           | 1859.1            | 358° 10' 45"                | - -   | 9.9         | 88° 10'        | -59.5           | -49.6                   | 49.7 } 1291.2           |                      | BS            | -1823           | -367 |               |   |             |  |         |  |
|             | 1860           |                   |                             |       | +9.6        | 271° 50'       | -59.5           | -49.9                   |                         |                      |               | BS              | .2   |               |   |             |  |         |  |
| 660         | 1530           |                   | 358° 10'                    | +13.2 | 8.0         | 88° 20'        | +44.5           | +36.5                   |                         | 1327.7               |               | +1500           | +302 | 1016,520      |   | 396.998     |  |         |  |
| 661         | 1200           |                   | - -                         | - -   | 9.3         | 88° 20'        | +34.9           | +25.6                   |                         | 1316.8               |               | +1176           | +237 | 1016,916      |   | 396.933     |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |          |         |             |              |        |                  |     |               |              |      |    |
|------|---------|----------------|----------|---------|-------------|--------------|--------|------------------|-----|---------------|--------------|------|----|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Stamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO.      | 4            | PAGE | 47 |
| AREA | ARIZONA | TOP MAP        | Bouse-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | PARTY MANAGER | J. McCLELLAN |      |    |

| 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 | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|-------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |       | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1291.2                  |                      |       |                 |       |               |         |             |  |         |  |
| 662         | 870            |                   | 358 -                       | +13.2 | 7.9         | 88° 20'        | +25.3           | +17.4                   |                         | 1308.6               |       | +853            | +169  | 1015.873      | 396.865 |             |  |         |  |
| 663         | 540            |                   | 357 20                      | -     | 7.0         | 88° 20'        | +15.7           | +8.7                    |                         | 1299.9               |       | +531            | +99   | 1015.551      | 396.795 |             |  |         |  |
| 1/2         | 257            |                   | 3° 30' 10"                  | -     | 7.1         | 88° 20'        | +7.5            | +0.4                    |                         | 1291.6               |       | +246            | +74   | 1015.266      | 396.770 |             |  |         |  |
| 664         | 210            |                   | 0° 15'                      | -     | 7.0         | 88° 20'        | +6.1            | -0.9                    |                         | 1290.3               |       | +204            | +49   | 1015.224      | 396.745 |             |  |         |  |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1286.1               | π     | 0               | 0     | 1015.020      | 396.676 |             |  |         |  |
| 665         | 116            |                   | 174 05                      | +13.2 | 10.5        | 91° 10'        | -2.4            | -12.9                   |                         | 1278.3               |       | -115            | -15   | 1014.905      | 396.681 |             |  |         |  |
| 666         | 426            |                   | 199 20                      | -     | 8.2         | 91° 10'        | -8.7            | -16.9                   |                         | 1274.3               |       | -359            | -229  | 1014.661      | 396.467 |             |  |         |  |
| 667         | 748            |                   | 206 30                      | -     | 9.1         | 91° 10'        | -15.2           | -24.3                   |                         | 1266.9               |       | -576            | -478  | 1014.444      | 396.218 |             |  |         |  |
| 668         | 1078           |                   | 207 30                      | -     | 8.0         | 91° 10'        | -21.9           | -29.9                   |                         | 1261.3               |       | -817            | -703  | 1014.203      | 395.993 |             |  |         |  |
| 669         | 1408           |                   | 206 30                      | +13.2 | 11.2        | 91° 20'        | -32.8           | -44.0                   |                         | 1247.2               |       | -1083           | -899  | 1013.937      | 395.797 |             |  |         |  |
| 670         | 1738           |                   | -                           | -     | 13.1        | 90° 50'        | -25.3           | -38.4                   |                         | 1252.8               |       | -1337           | -1110 | 1013.683      | 395.586 |             |  |         |  |
| 671         | 2068           |                   | -                           | -     | 14.1        | 90° 50'        | -30.1           | -44.2                   |                         | 1247.0               |       | -1591           | -1321 | 1013.429      | 395.375 |             |  |         |  |
| 672         | 2398           |                   | -                           | -     | 13.7        | 90° 50'        | -34.9           | -48.6                   |                         | 1242.6               |       | -1845           | -1532 | 1013.175      | 395.164 |             |  |         |  |
| 673         | 2728           |                   | -                           | -     | 12.8        | 90° 50'        | -39.7           | -52.5                   |                         | 1238.7               |       | -2099           | -1743 | 1012.921      | 394.953 |             |  |         |  |
| 674         | 3058           |                   | -                           | +13.2 | 10.1        | 90° 50'        | -44.5           | -54.6                   |                         | 1236.6               |       | -2353           | -1953 | 1012.667      | 394.743 |             |  |         |  |
| 675         | 3388           |                   | -                           | -     | 12.7        | 90° 50'        | -49.3           | -62.0                   |                         | 1229.2               |       | -2607           | -2164 | 1012.413      | 394.532 |             |  |         |  |
| 1/2         | 3428           |                   | 206 22 45                   | -     | 11.2        | 90° 50'        | -49.9           | -61.1                   |                         | 1230.1               |       | -2642           | -2184 | 1012.378      | 394.512 |             |  |         |  |
| TP          | 3512           |                   | 206 22 18                   | +13.6 | 9.6         | 90° 50'        | -51.1           | -60.7                   |                         |                      | TP    | -2691           | -2256 | 1,012,331     | 394.440 |             |  |         |  |
| TP          | 3512           |                   |                             |       | 9.3         | 269° 10'       | -51.1           | -60.4                   | -60.53                  | 1230.7               | TP    | 02              |       |               |         |             |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |       |          |                               |      |    |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-------|----------|-------------------------------|------|----|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S   | LINE NO. | 4                             | PAGE | 48 |
| AREA | ARIZONA | TOP MAP        | Bouse-15   | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              | RANGE | PPM      | PARTY MANAGER<br>J. Mc Cellan |      |    |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |  |
|             |                |                   |                             |       |             |                |                 |                         |                         | 1230.7               |               |                         |                       |             |         |  |
|             | 1206           |                   | 46° 25' 36"                 | +13.6 | 4.2         | 89° 30'        | -10.5           | -6.3                    | 1224.4                  |                      | BS            | -602                    | -1045                 |             |         |  |
|             | 1206           |                   |                             |       | 4.1         | 270° 30'       | -10.5           | -6.4                    |                         | BS                   |               | +2                      |                       |             |         |  |
| 676         | 992            |                   | 45° 26'                     | -     | 8.3         | 89° 20'        | +11.5           | +3.2                    |                         | 1227.6               |               | +510                    | +851                  | 1012241     | 394.246 |  |
| 677         | 662            |                   | " "                         | -     | 6.2         | 89° 20'        | +7.7            | +1.5                    |                         | 1225.9               |               | +341                    | +568                  | 1012072     | 393.963 |  |
| 678         | 332            |                   | " "                         | -     | 6.2         | 89° 20'        | +3.9            | -2.3                    |                         | 1222.1               |               | +171                    | +285                  | 1011902     | 393.680 |  |
| 679         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1219.3               | X             | 0                       | 0                     | 1011731     | 393.395 | ACROSS FLAG  |
| 680         | 332            |                   | 258° 20'                    | +13.6 | 5.8         | 90° 40'        | -3.9            | -9.7                    |                         | 1214.7               |               | +11                     | -332                  | 1011742     | 393.063 |  |
| 681         | 662            |                   | 257° 40'                    | -     | 9.4         | 90° 40'        | -7.7            | -17.1                   |                         | 1207.3               |               | +15                     | -662                  | 1011746     | 392.733 |  |
| 682         | 960            |                   | 247° 52'                    | -     | 5.5         | 90° 40'        | -11.2           | -16.7                   |                         | 1207.7               |               | -142                    | -949                  | 1011589     | 392.446 |  |
| 683         | 1255           |                   | 240° 40'                    | -     | 7.0         | 90° 40'        | -14.6           | -21.6                   |                         | 1202.8               |               | -340                    | -1208                 | 1011391     | 392.187 |  |
| 684         | 1578           |                   | 237° 30'                    | -     | 6.2         | 90° 40'        | -18.4           | -24.6                   |                         | 1199.8               |               | -511                    | -1493                 | 1011220     | 391.902 |  |
| 685         | 1892           |                   | 240° 40'                    | +13.6 | 7.5         | 90° 40'        | -22.0           | -29.5                   |                         | 1194.9               |               | -513                    | -1821                 | 1011218     | 391.574 |  |
| 686         | 2156           |                   | 246° 05'                    | -     | 8.3         | 90° 40'        | -25.1           | -33.4                   |                         | 1191.0               |               | -386                    | -2121                 | 1011345     | 391.274 |  |
| 687         | 2429           |                   | 250° 44'                    | -     | 5.9         | 90° 44'        | -31.1           | -37.0                   |                         | 1187.4               |               | -240                    | -2417                 | 1011491     | 390.978 |  |
| TP          | 2453           |                   | 250° 51' 56"                | -     | 8.9         | 90° 40'        | -28.5           | -37.4                   | 37.2                    |                      | TP            | -237                    | -2441                 | 1011496     | 390.954 |  |
| TP          | 2453           |                   |                             |       | 8.6         | 269° 20'       | -28.5           | -37.1                   |                         | 1187.2               | TP            | +2                      |                       |             |         |  |
|             | 584            |                   | 61° 48' 21"                 | +13.6 | 6.3         | -              |                 | +6.3                    | 1193.5                  |                      | BS            | -147                    | -565                  |             |         |  |
|             | 584            |                   |                             |       | 6.2         | 270° -         |                 | +6.2                    |                         | BS                   |               | +2                      |                       |             |         |  |
| 688         | 325            |                   | 42° 45'                     | -     | 11.1        | 90° 50'        | -4.7            | -15.8                   |                         | 1177.7               |               | +180                    | +271                  | 1011531     | 390.660 |  |
| X           | 263            |                   | 41° 55' 27"                 | -     | 3.3         | 93° 30'        | -16.1           | -19.4                   |                         | 1174.1               |               | +149                    | +216                  | 1011500     | 390.605 | s-1.011,500 x-390.605<br># WASH 402.7 y--68'<br>CORR. X- |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |          |   |      |               |               |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|---------------|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE | 49            |               |
| AREA | ARIZONA | TOPG MAP       | Bouse-15   | STATE   | ARIZ.       | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. M. CLELLAN |

| 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<br>X<br>TP | COORDINATES             |                       | REMARKS           |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |                   |
|             |                |                   |                             |       |             |                |                 |                         | 1193.5                  |                      |               |                         |                       |                   |
| 689         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1188.4               | X             | 0                       | 0                     | 1,011,351 390,389 |
| 690         | 330            |                   | 193° 10'                    | +13.6 | 6.0         | 90° 30'        | -2.9            | -8.9                    |                         | 1184.6               |               | -295                    | -149                  | 1,011,056 390,240 |
| 691         | 660            |                   | 192° 25'                    | -     | 4.8         | 90° 30'        | -5.8            | -10.6                   |                         | 1182.9               |               | -593                    | -290                  | 1,010,758 390,099 |
| 692         | 971            |                   | 199° 10'                    | -     | 6.2         | 90° 10'        | -2.8            | -9.0                    |                         | 1184.5               |               | -817                    | -526                  | 1,010,534 389,863 |
| 693         | 1254           |                   | 208° 05'                    | -     | 9.4         | 90° 10'        | -3.7            | -13.1                   |                         | 1180.5               |               | -937                    | -834                  | 1,010,414 389,555 |
| 694         | 1540           |                   | 214° 56' 15"                | -     | 6.1         | 90° 26'        | -11.6           | -17.7                   |                         |                      | TP            | -1020                   | -1154                 | 1,010,331 389,235 |
| 694         | 1540           |                   |                             |       | 5.8         | 269° 34'       | -11.6           | -17.4                   | 17.5                    | 1176.0               | TP            |                         |                       |                   |
|             | 2293           |                   | 72° 59' 04"                 | +13.6 | 12.7        | 89° 06'        | -36.0           | -23.3                   | -23.4                   | 1152.6               | BS            | -137                    | -2289                 |                   |
|             | 2293           |                   |                             |       | 12.4        | 270° 54'       | -36.0           | -23.6                   |                         |                      | BS            |                         |                       |                   |
| 695         | 1964           |                   | 72° 50'                     | -     | 11.8        | 89° 10'        | +28.6           | +16.8                   |                         | 1169.4               |               | +122                    | +1960                 | 1,010,316 388,906 |
| 696         | 1637           |                   | 71° 05'                     | -     | 11.7        | 89° 10'        | +23.8           | +12.1                   |                         | 1164.7               |               | +152                    | +1630                 | 1,010,346 388,576 |
| 697         | 1309           |                   | 76° 12'                     | -     | 8.3         | 89° 10'        | +19.0           | +10.7                   |                         | 1163.3               |               | +141                    | +1301                 | 1,010,335 388,247 |
| 698         | 982            |                   | 72° 15'                     | -     | 8.7         | 89° 10'        | +14.3           | +5.6                    |                         | 1158.2               |               | +71                     | +979                  | 1,010,265 387,925 |
| 699         | 657            |                   | 77° -                       | --    | 8.8         | 89° 10'        | +9.6            | +0.8                    |                         | 1153.4               |               | -7                      | +657                  | 1,010,187 387,603 |
| 700         | 330            |                   | 81° 30'                     | -     | 7.1         | 89° 10'        | +4.8            | -2.3                    |                         | 1150.3               |               | -29                     | +329                  | 1,010,165 387,275 |
| 701         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1147.5               | X             | 0                       | 0                     | 1,010,144 386,946 |
| 702         | 329            |                   | 249° 50'                    | +13.6 | 9.3         | -              |                 | -9.3                    |                         | 1143.3               |               | -38                     | -327                  | 1,010,156 386,619 |
| 703         | 649            |                   | 240° 05'                    | -     | 13.2        | -              |                 | -13.2                   |                         | 1139.4               |               | -182                    | -623                  | 1,010,012 386,323 |
| 704         | 970            |                   | 234° 20'                    | -     | 6.6         | 90° 40'        | -11.3           | -17.9                   |                         | 1134.7               |               | -364                    | -899                  | 1,009,830 386,047 |
| 705         | 1296           |                   | 231° 20'                    | -     | 8.7         | 90° 40'        | -15.1           | -23.8                   |                         | 1128.8               |               | -549                    | -1174                 | 1,009,645 385,772 |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |       |          |               |              |    |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-------|----------|---------------|--------------|----|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S   | LINE NO. | 4             | PAGE         | 50 |
| AREA | ARIZONA | TOPO MAP       | Bouse-15   | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              | RANGE | PPM      | PARTY MANAGER | J. M. CULLAN |    |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS   |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |   |
| Bm          | 1550           |                   | 232° 11' 33"                | +13.6 | 8.7         | 96° 40'        | -18.0           | -26.7                   | 1152.6                  |                      | Bm            | -636                    | -1414                 | 1009.558    | 385.532 | y = 1,009,560 x - 385,510<br>4.5 Bm E.C. 1127.0 |
| 706         | 1624           |                   | 230° 45'                    | -     | 8.9         | 90° 40'        | -18.9           | -27.8                   |                         | 1124.8               |               | -703                    | -1464                 | 1009.491    | 385.482 |   |
| 707         | 1952           |                   | 231° 20'                    | -     | 9.7         | 90° 40'        | -22.7           | -32.4                   |                         | 1120.2               |               | -827                    | -1768                 | 1009.367    | 385.178 |   |
| 708         | 2274           |                   | 233° 20'                    | -     | 11.2        | 90° 40'        | -26.5           | -37.7                   |                         | 1114.9               |               | -891                    | -2092                 | 1009.303    | 384.854 |   |
| 709         | 2595           |                   | 235° 10' 45"                | -     | 12.2        | 90° 40'        | -30.2           | -42.4                   |                         |                      | TP            | -939                    | -2419                 | 1009.255    | 384.527 |   |
| 709         | 2595           |                   |                             |       | 11.9        | 269° 20'       | -30.2           | -42.1                   |                         | 1110.4               | TP            |                         |                       |             |         |   |
|             | 2243           |                   | 70° 30' 15"                 | +13.6 | 14.1        | 89° 06'        | -35.2           | -21.1                   |                         |                      | BS            | -230                    | -2231                 |             |         |   |
|             | 2243           |                   |                             | +13.8 | 270° 54'    | -35.2          | -21.4           |                         |                         |                      | BS            |                         |                       |             |         |   |
| 710         | 1917           |                   | 71° 10'                     | -     | 13.0        | 89° 06'        | +30.1           | +17.1                   |                         | 1106.3               |               | +175                    | +1909                 | 1009.200    | 384.205 |   |
| 711         | 1610           |                   | 75° 05'                     | -     | 10.2        | 89° 10'        | +23.4           | +13.2                   |                         | 1102.4               |               | +37                     | +1610                 | 1009.062    | 383.706 |   |
| 712         | 1304           |                   | 80° -                       | -     | 9.6         | 89° 10'        | +19.0           | +9.4                    |                         | 1098.6               |               | -82                     | +1301                 | 1008.943    | 383.597 |   |
| 713         | 988            |                   | 84° 40'                     | +13.6 | 9.2         | 89° 10'        | +14.4           | +5.2                    |                         | 1094.4               |               | -142                    | +978                  | 1008.883    | 383.274 |   |
| 714         | 660            |                   | 86° 15'                     | -     | 7.4         | 89° 10'        | +9.6            | +2.2                    |                         | 1091.4               |               | -113                    | +650                  | 1008.912    | 382.946 |   |
| 715         | 330            |                   | - -                         | -     | 6.2         | 89° 10'        | +4.8            | -1.4                    |                         | 1087.8               |               | -56                     | +325                  | 1008.969    | 382.621 |   |
| 716         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1084.1               | X             | 0                       | 0                     | 1009.025    | 382.296 |   |
| 717         | 330            |                   | 261° 30'                    | -     | 6.4         | 90° 20'        | -1.9            | -8.3                    |                         | 1080.9               |               | +29                     | -329                  | 1009.054    | 381.967 |   |
| 718         | 658            |                   | 258° 55'                    | -     | 7.1         | 90° 20'        | -3.8            | -10.9                   |                         | 1078.3               |               | +29                     | -657                  | 1009.054    | 381.639 |   |
| 719         | 985            |                   | 255° 55'                    | -     | 8.9         | 90° 20'        | -5.7            | -14.6                   |                         | 1074.6               |               | -8                      | -985                  | 1009.017    | 381.311 |   |
| 720         | 1314           |                   | 255° 10'                    | -     | 10.8        | 90° 20'        | -7.6            | -18.4                   |                         | 1070.8               |               | -28                     | -1314                 | 1008.977    | 380.982 |   |
| 721         | 1644           |                   | - -                         | -     | 12.2        | 90° 20'        | -9.6            | -21.8                   |                         | 1067.4               |               | -35                     | -1644                 | 1008.990    | 380.652 |   |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |            |         |             |              |        |                  |     |          |   |               |              |
|------|---------|----------------|------------|---------|-------------|--------------|--------|------------------|-----|----------|---|---------------|--------------|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Cotcamp | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S | LINE NO. | 4 | PAGE          | 51           |
| AREA | ARIZ.   | TOPO MAP       | Bouse-15'  | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM           |              |
|      |         |                |            |         |             |              |        |                  |     |          |   | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 1089.2                  |                      |               |                 |       |               |         |             |  |         |  |
| 722         | 1975           |                   | 255° 10'                    | +13.6 | 9.7         | 90° 30'        | -17.2           | -26.9                   |                         | 1062.3               |               | -43             | -1975 | 1008982       | 380.321 |             |  |         |  |
| 723         | 2305           |                   | 254° 45'                    | -     | 10.6        | 90° 30'        | -20.1           | -30.7                   |                         | 1058.5               |               | -66             | -2304 | 1008959       | 379.992 |             |  |         |  |
| 724         | 2635           |                   | 254° 28' 26"                | -     | 10.5        | 90° 30'        | -23.0           | -33.5                   |                         |                      | TP            | -89             | -2633 | 1008936       | 379.663 |             |  |         |  |
| 724         | 2635           |                   |                             |       | 10.2        | 269° 30'       | -23.0           | -33.2                   | -33.3                   | 1055.9               | TP            |                 |       |               |         |             |  |         |  |
|             | 2279           |                   | 51° 19'                     | +13.6 | 10.7        | 89° 10'        | -33.1           | -22.4                   | -22.5, 1033.4           |                      | BS            | -966            | -2064 |               |         |             |  |         |  |
|             | 2279           |                   |                             |       | 10.4        | 276° 50'       | -33.1           | -22.7                   |                         |                      | BS            |                 |       |               |         |             |  |         |  |
| 725         | 1938           |                   | 49° -                       | -     | 9.3         | 89° 10'        | +28.5           | +19.2                   |                         | 1052.6               |               | +901            | +1738 | 1008871       | 379.337 |             |  |         |  |
| 726         | 1637           |                   | 46° 30'                     | -     | 8.5         | 89° 10'        | +23.8           | +15.3                   |                         | 1048.7               |               | +816            | +1419 | 1008786       | 379.018 |             |  |         |  |
| 727         | 1311           |                   | 44° 30'                     | -     | 7.2         | 89° 10'        | +19.1           | +11.9                   |                         | 1045.3               |               | +693            | +1113 | 1008663       | 378.712 |             |  |         |  |
| 728         | 982            |                   | - -                         | -     | 8.7         | 89° 10'        | +14.3           | +5.6                    |                         | 1039.0               |               | +519            | +834  | 1008489       | 378.433 |             |  |         |  |
| 729         | 655            |                   | 48° 10'                     | -     | 8.1         | 89° 10'        | +9.5            | +1.4                    |                         | 1034.8               |               | +310            | +577  | 1008280       | 378.176 |             |  |         |  |
| 730         | 329            |                   | 54° 40'                     | -     | 6.9         | 89° 10'        | +4.8            | -2.1                    |                         | 1031.3               |               | +122            | +306  | 1008992       | 377.905 |             |  |         |  |
| 731         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 1028.3               | π             | 0               | 0     | 1007970       | 377.599 |             |  |         |  |
| 732         | 330            |                   | 238° 05'                    | +13.6 | 6.1         | 90° 30'        | -2.9            | -9.0                    |                         | 1024.4               |               | -104            | -313  | 1007866       | 377.286 |             |  |         |  |
| 733         | 660            |                   | 238° 30'                    | -     | 6.8         | 90° 30'        | -5.8            | -12.6                   |                         | 1020.8               |               | -203            | -628  | 1007267       | 376.971 |             |  |         |  |
| 734         | 990            |                   | 239° 20'                    | -     | 7.1         | 90° 30'        | -8.6            | -15.7                   |                         | 1017.7               |               | -291            | -946  | 1007679       | 376.653 |             |  |         |  |
| 735         | 1320           |                   | 239° 30'                    | -     | 7.6         | 90° 30'        | -11.5           | -19.1                   |                         | 1014.3               |               | -384            | -1263 | 1007586       | 376.336 |             |  |         |  |
| 736         | 1650           |                   | - -                         | -     | 8.9         | 90° 30'        | -14.4           | -23.3                   |                         | 1010.1               |               | -480            | -1579 | 1007490       | 376.020 |             |  |         |  |
| 737         | 1986           |                   | 239° 20'                    | -     | 9.2         | 90° 30'        | -17.3           | -26.5                   |                         | 1006.9               |               | -581            | -1893 | 1007389       | 375.706 |             |  |         |  |
| 738         | 2310           |                   | - -                         | -     | 9.1         | 90° 30'        | -20.2           | -29.3                   |                         | 1004.1               |               | -678            | -2208 | 1007292       | 375.391 |             |  |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |             |         |             |              |        |                  |       |          |                                |      |    |
|------|---------|----------------|-------------|---------|-------------|--------------|--------|------------------|-------|----------|--------------------------------|------|----|
| DATE | 2-26-86 | INSTRUMENT MAN | B. Cotcamp  | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | BS    | LINE NO. | 4                              | PAGE | 52 |
| AREA | ARIZONA | TOPOG MAP      | Bouse - 15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              | RANGE | PPM      | PARTY MANAGER<br>J. Mc CLELLAN |      |    |

| 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<br>X<br>TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES |         | REMARKS |
|-------------|----------------|-------------------|-----------------------------|------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|---------|
|             |                |                   |                             |      |             |                |                 |                         |                         |                      |               | LAT.            | DEP.          | Y           | X       |         |
|             |                |                   |                             |      |             |                |                 |                         | 1033.4                  |                      |               |                 |               |             |         |         |
| 739         | 2641           |                   | 239° 51' 06"                | +136 | 9.1         | 90° 30'        | -23.0           | -32.1                   | -32.0<br>-20.3<br>981.1 | 1001.4               | TP            | -752            | -2532         | 1,007.218   | 375.067 |         |
| 739         | 2641           |                   |                             |      | 8.8         | 269° 30'       | -23.0           | -31.8                   |                         | TP                   |               |                 |               |             |         |         |
|             | 2508           |                   | 59° 51' 40"                 | -    | 1.7         | 89° 30'        | -21.9           | -20.2                   |                         | BS                   |               | -714            | -2404         |             |         |         |
|             | 2508           |                   |                             |      | 1.4         | 270° 30'       | -21.9           | -20.5                   |                         | BS                   |               |                 |               |             |         |         |
| 740         | 2179           |                   | 59° 15'                     | -    | 10.2        | 89° 20'        | +25.4           | +15.2                   |                         | 996.3                |               | +643            | +2082         | 1,007,147   | 374,745 |         |
| 741         | 1851           |                   | 58° 10'                     | -    | 8.3         | 89° 20'        | +21.5           | +13.2                   |                         | 994.3                |               | +579            | +1758         | 1,007,083   | 374,421 |         |
| 742         | 1522           |                   | 57° 40'                     | -    | 8.3         | 89° 20'        | +17.7           | +9.4                    |                         | 990.5                |               | +489            | +1441         | 1,006,993   | 374,104 |         |
| 743         | 1193           |                   | 57° 05'                     | -    | 7.1         | 89° 20'        | +13.9           | +6.8                    |                         | 987.9                |               | +395            | +1126         | 1,006,899   | 373,789 |         |
| 744         | 863            |                   | 56° 45'                     | -    | 6.3         | 89° 20'        | +10.0           | +3.7                    |                         | 984.8                |               | +290            | +813          | 1,006,794   | 373,476 |         |
| 745         | 533            |                   | -                           | -    | 5.9         | 89° 20'        | +6.2            | +0.3                    |                         | 981.4                |               | +179            | +502          | 1,006,683   | 373,165 |         |
| 746         | 204            |                   | 60° 55'                     | -    | 8.4         | 89° 20'        | +2.4            | -6.0                    |                         | 975.1                |               | +54             | +197          | 1,006,558   | 372,860 |         |
| π           | 0              |                   |                             |      | 5.1         | -              |                 | -5.1                    |                         | 976.0                | π             | 0               | 0             | 1,006,504   | 372,663 |         |
| 747         | 138            |                   | 210° 10'                    | +136 | 6.5         | 90° 20'        | -0.8            | -7.3                    |                         | 973.8                |               | -100            | -95           | 1,006,404   | 372,568 |         |
| 748         | 466            |                   | 216° 45'                    | -    | 8.6         | 90° 20'        | -2.7            | -11.3                   |                         | 969.8                |               | -297            | -359          | 1,006,207   | 372,304 |         |
| 749         | 796            |                   | 216° 10'                    | -    | 8.2         | 90° 20'        | -4.6            | -12.8                   |                         | 968.3                |               | -514            | -608          | 1,005,990   | 372,055 |         |
| 750         | 1126           |                   | 215° 35'                    | -    | 9.7         | 90° 20'        | -6.6            | -16.3                   |                         | 964.8                |               | -736            | -852          | 1,005,768   | 371,811 |         |
| 751         | 1456           |                   | 215° 20'                    | -    | 11.2        | 90° 20'        | -8.5            | -19.7                   |                         | 961.4                |               | -957            | -1098         | 1,005,547   | 371,565 |         |
| 752         | 1786           |                   | 215° 10'                    | -    | 11.5        | 90° 20'        | -10.4           | -21.9                   |                         | 959.2                |               | -1177           | -1343         | 1,005,327   | 371,320 |         |
| 753         | 216            |                   | -                           | -    | 13.1        | 90° 20'        | -12.3           | -25.4                   |                         | 955.7                |               | -1395           | -1591         | 1,005,109   | 371,072 |         |
| 754         | 2446           |                   | -                           | -    | 13.1        | 90° 20'        | -14.2           | -27.3                   |                         | 953.8                |               | -1612           | -1839         | 1,004,892   | 370,824 |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                              |                        |                      |                               |               |            |
|-----------------|------------------------------|------------------------|----------------------|-------------------------------|---------------|------------|
| DATE<br>2-26-86 | INSTRUMENT MAN<br>B. Cotcamp | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.S       | LINE NO.<br>4 | PAGE<br>53 |
| AREA<br>ARIZ.   | TOPO. MAP<br>Bouse - 15      | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE         | PPM        |
|                 |                              |                        |                      | PARTY MANAGER<br>J. McCLELLAN |               |            |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |
|             |                |                   |                             |       |             |                |                 |                         | 981.1                   |                      |               |                 |       |               |         |             |  |         |
| 755         | 2777           |                   | 215° 02'                    | +13.6 | 6.7         | 90° 30'        | -24.2           | -30.9                   |                         | 950.2                |               | -1835           | -2084 | 1004669       | 370.579 |             |  |         |
| 756         | 3107           |                   | 214° 59' 51"                | -     | 8.1         | 90° 30'        | -27.1           | -35.2                   | -35.1                   | 946.0                | TP            | -2055           | -2330 | 1,004,449     | 370,333 |             |  |         |
| 756         | 3107           |                   |                             |       | 7.8         | 269° 30'       | -27.1           | -34.9                   |                         | TP                   |               |                 |       |               |         |             |  |         |
|             | 1859           |                   | 35° 01' 50"                 | -     | +11.3       | 89° 10'        | -27.0           | -15.7                   |                         | BS                   |               |                 | -1229 | -1395         |         |             |  |         |
|             | 1859           |                   |                             |       | +11.0       | 270° 50'       | -27.0           | -16.0                   | -159, 930.1             |                      | BS            |                 |       |               |         |             |  |         |
| 757         | 1529           |                   | 35° 13'                     | -     | 9.5         | 89° 10'        | +22.2           | +12.7                   |                         | 942.8                |               | +1007           | +1151 | 1,004,227     | 370,089 |             |  |         |
| 758         | 1199           |                   | - -                         | -     | 8.1         | 89° 10'        | +17.4           | +9.3                    |                         | 939.4                |               | +790            | +902  | 1,004,010     | 369,840 |             |  |         |
| 759         | 869            |                   | 35° 40'                     | -     | 7.3         | 89° 10'        | +12.6           | +5.3                    |                         | 935.4                |               | +567            | +658  | 1,003,787     | 369,596 |             |  |         |
| 760         | 539            |                   | 36° 05'                     | -     | 5.2         | 89° 10'        | +7.8            | +2.6                    |                         | 932.7                |               | +349            | +411  | 1,003,569     | 369,349 |             |  |         |
| 761         | 208            |                   | 33° 15'                     | -     | 3.7         | 89° 10'        | +3.0            | -0.7                    |                         | 929.4                |               | +142            | +152  | 1,003,362     | 369,090 |             |  |         |
| K           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 925.0                | K             | 0               | 0     | 1,003,220     | 368,938 |             |  |         |
| 762         | 133            |                   | 242° 10'                    | +13.6 | 6.2         | 89° 20'        | +1.5            | -4.7                    |                         | 925.4                |               | -33             | -129  | 1,003,187     | 368,809 |             |  |         |
| 763         | 461            |                   | 233° 54'                    | -     | 6.2         | 90° 20'        | -2.7            | -8.9                    |                         | 921.2                |               | -176            | -426  | 1,003,044     | 368,512 |             |  |         |
| 764         | 791            |                   | - -                         | -     | 6.0         | 90° 20'        | -4.6            | -10.6                   |                         | 919.5                |               | -303            | -731  | 1,002,917     | 368,207 |             |  |         |
| 765         | 1121           |                   | - -                         | -     | 8.8         | 90° 20'        | -6.5            | -15.3                   |                         | 914.8                |               | -429            | -1036 | 1,002,791     | 367,902 |             |  |         |
| 766         | 1451           |                   | - -                         | -     | 11.6        | 90° 20'        | -8.4            | -20.0                   |                         | 910.1                |               | -555            | -1341 | 1,002,665     | 367,597 |             |  |         |
| 767         | 1781           |                   | 233° 54'                    | -     | 11.6        | 90° 20'        | -10.4           | -22.0                   |                         | 908.1                |               | -682            | -1645 | 1,002,538     | 367,293 |             |  |         |
| 768         | 2111           |                   | - -                         | -     | 13.4        | 90° 20'        | -12.3           | -25.7                   |                         | 904.4                |               | -808            | -1950 | 1,002,412     | 366,988 |             |  |         |
| 769         | 2441           |                   | - -                         | -     | 8.9         | 90° 28'        | -19.9           | -28.8                   |                         | 901.3                |               | -934            | -2255 | 1,002,286     | 366,683 |             |  |         |
| 770         | 2771           |                   | - -                         | -     | 9.2         | 90° 28'        | -22.6           | -31.8                   |                         | 898.5                |               | -1060           | -2560 | 1,004,660     | 366,378 |             |  |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE        |                | INSTRUMENT MAN    |                             | ROD MAN     |             | PARTY NUMBER   |                 | NOTES CHECKED BY        |                         | LINE NO.             | PAGE          |                 |               |             |         |                                      |  |
|-------------|----------------|-------------------|-----------------------------|-------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|--------------------------------------|--|
| 2-26-86     |                | B. C. CAMP        |                             | B. SALDIVAR |             | 6834           |                 | B.S                     |                         | 4                    | 54            |                 |               |             |         |                                      |  |
| AREA        |                | TOPO MAP          |                             | STATE       | COUNTY      |                | TWP             | RANGE                   | PPM                     | PARTY MANAGER        |               |                 |               |             |         |                                      |  |
| ARIZ.       |                | Bouse-15'         |                             | AZ.         | LA PAZ      |                |                 |                         |                         | J. McClellan         |               |                 |               |             |         |                                      |  |
| 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<br>X<br>TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES |         | REMARKS                              |  |
|             |                |                   |                             |             |             |                |                 |                         |                         |                      |               | LAT.            | DEP.          | Y           | X       |                                      |  |
|             |                |                   |                             |             |             |                |                 |                         | 930.1                   |                      |               |                 |               |             |         |                                      |  |
| 771         | 3101           |                   | 234° 01' 52"                | +13.6       | 9.8         | 90° 28'        | -25.3           | -35.1                   | 350' }<br>183' } 876.2  | 895.1                | TP            | -1180           | -2868         | 1,002,040   | 366,070 |                                      |  |
| 771         | 3101           |                   |                             |             | 9.5         | 269° 32'       | -25.3           | -34.8                   |                         | TP                   |               |                 |               |             |         |                                      |  |
|             | 2297           |                   | 70° 38' 10"                 | -           | 8.0         | 89° 20'        | -26.7           | -18.7                   |                         | BS                   |               | -231            | -2285         |             |         |                                      |  |
|             | 2297           |                   |                             |             | +7.7        | 270° 40'       | -26.7           | -19.0                   |                         | BS                   |               |                 |               |             |         |                                      |  |
| 772         | 1972           |                   | 72° 05'                     | -           | 7.7         | 89° 20'        | +22.9           | +15.2                   |                         | 891.4                |               | +148            | +1966         | 1,001,957   | 365,751 |                                      |  |
| 773         | 1643           |                   | 72° 50'                     | -           | 6.2         | 89° 20'        | +19.1           | +12.9                   |                         | 889.1                |               | +102            | +1640         | 1,001,911   | 365,425 |                                      |  |
| 774         | 1314           |                   | 72° -                       | +13.6       | 6.6         | 89° 20'        | +15.3           | +8.7                    |                         | 884.9                |               | +101            | +1310         | 1,001,910   | 365,095 |                                      |  |
| 775         | 986            |                   | 70° 25'                     | -           | 6.4         | 89° 20'        | +11.5           | +5.1                    |                         | 881.3                |               | +103            | +981          | 1,001,912   | 364,766 |                                      |  |
| 776         | 658            |                   | 67° 05'                     | -           | 4.7         | 89° 20'        | +7.7            | +3.0                    |                         | 879.2                |               | +107            | +649          | 1,001,916   | 364,434 |                                      |  |
| 777         | 330            |                   | 63° 40'                     | -           | 5.5         | 89° 20'        | +3.8            | -1.7                    |                         | 874.5                |               | +73             | +322          | 1,001,882   | 364,107 |                                      |  |
| +           | 305            |                   | 58° 08' 21"                 | -           | 4.3         | 89° 20'        | +3.6            | -0.8                    |                         | 875.4                | +             | +96             | +290          | 1,001,905   | 364,075 | y=1,001,900 x=364,070 section corner |  |
| 778         | 0              |                   |                             |             | 5.1         | -              |                 | -5.1                    |                         | 871.1                | π             | 0               | 0             | 1,001,809   | 363,785 |                                      |  |
| 779         | 330            |                   | 237° 22'                    | +13.6       | 4.9         | 90° 30'        | -2.9            | -7.8                    |                         | 868.4                |               | -108            | -312          | 1,001,701   | 363,473 |                                      |  |
| 780         | 660            |                   | -                           | -           | 5.5         | 90° 30'        | -5.8            | -11.3                   |                         | 864.9                |               | -215            | -624          | 1,001,594   | 363,161 |                                      |  |
| 781         | 990            |                   | -                           | -           | 7.3         | 90° 30'        | -8.6            | -15.9                   |                         | 860.3                |               | -323            | -936          | 1,001,486   | 362,849 |                                      |  |
| 782         | 1320           |                   | -                           | -           | 7.9         | 90° 30'        | -11.5           | -19.4                   |                         | 856.8                |               | -430            | -1248         | 1,001,379   | 362,537 |                                      |  |
| 783         | 1650           |                   | -                           | -           | 6.2         | 90° 30'        | -14.4           | -20.6                   |                         | 855.6                |               | -538            | -1560         | 1,001,271   | 362,225 |                                      |  |
| 784         | 1980           |                   | 237° 26' 15"                | -           | 7.3         | 90° 30'        | -17.3           | -24.6                   | -24.5' }                | 851.7                | TP            | -643            | -1872         | 1,001,165   | 361,915 |                                      |  |
| 784         | 1980           |                   |                             |             | 7.0         | 269° 30'       | -17.3           | -24.3                   |                         | TP                   |               | -1              | +2            |             |         |                                      |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                 |         |             |              |        |                  |    |          |   |               |              |
|------|---------|----------------|-----------------|---------|-------------|--------------|--------|------------------|----|----------|---|---------------|--------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp      | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | BS | LINE NO. | 4 | PAGE          | 55           |
| AREA | ARIZONA | TOPO MAP       | Quartzsite - 15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |    | RANGE    |   | PPM           |              |
|      |         |                |                 |         |             |              |        |                  |    |          |   | PARTY MANAGER | J. McClellan |

| 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<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS                                   |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|----------|-------------------------|-----------------------|-------------|---------|---|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |          |                         |                       | Y           | X       |   |  |
|             |                |                   |                             |       |             |                |                 |                         | 851.7                   |                      |          |                         |                       |             |         |   |  |
|             | 3462           |                   | 57° 27' 22"                 | +136  | 10.8        | 89° 30'        | -30.2           | -19.4                   | 832.3                   |                      | BS       | -1124                   | -3274                 |             |         |   |  |
|             | 3462           |                   |                             |       | 10.9        | 27° 30'        | -30.2           | -19.3                   |                         |                      | BS       | -1                      | 0                     |             |         |   |  |
| 785         | 3132           |                   | 57° 32'                     | -     | 10.8        | 89° 30'        | +27.3           | +16.5                   |                         | 848.8                |          | +1013                   | +2964                 | 1001,053    | 361.607 |   |  |
| 786         | 2802           |                   | - -                         | -     | 10.2        | 89° 30'        | +24.5           | +14.3                   |                         | 846.6                |          | +906                    | +2651                 | 1000,946    | 361.294 |   |  |
| 787         | 2472           |                   | - -                         | -     | 9.2         | 89° 30'        | +21.6           | +12.4                   |                         | 844.7                |          | +799                    | +2339                 | 1000,839    | 360.982 |   |  |
| 788         | 2142           |                   | - -                         | -     | 8.4         | 89° 30'        | +18.7           | +10.3                   |                         | 842.6                |          | +693                    | +2027                 | 1000,733    | 360.670 | Bouse - 15'                               |  |
| 789         | 1812           |                   | 57° 32'                     | +13.6 | 7.6         | 89° 30'        | +15.8           | +8.2                    |                         | 840.5                |          | +586                    | +1715                 | 1000,626    | 360.358 | QUARTZSITE - 15.1                         |  |
| 790         | 1482           |                   | - -                         | -     | 6.7         | 89° 30'        | +12.9           | +6.2                    |                         | 838.5                |          | +479                    | +1462                 | 1,000,519   | 360.045 |   |  |
| 791         | 1154           |                   | - -                         | -     | 6.2         | 89° 30'        | +10.1           | +3.9                    |                         | 836.2                |          | +373                    | +1092                 | 1,000,413   | 359.735 |   |  |
| 792         | 827            |                   | 58° 10'                     | -     | 7.0         | 89° 30'        | +7.2            | +0.2                    |                         | 832.5                |          | +259                    | +785                  | 1,000,299   | 359.428 |   |  |
| 793         | 497            |                   | - -                         | -     | 5.9         | 89° 30'        | +4.3            | -1.6                    |                         | 830.7                |          | +156                    | +472                  | 1,000,196   | 359.115 |   |  |
| 794         | 167            |                   | - -                         | -     | 5.4         | 89° 30'        | +1.5            | -3.9                    |                         | 828.4                |          | +52                     | +159                  | 1,000,092   | 358.802 |   |  |
| K           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 827.2                | K        | 0                       | 0                     | 1,000,040   | 358.643 |   |  |
| 795         | 163            |                   | 241° - -                    | +13.6 | 5.4         | 90° 10'        | -0.5            | -5.9                    |                         | 826.4                |          | -43                     | -157                  | 999,997     | 358.486 | Fence                                     |  |
| #           | 391            |                   | 242° 27' 12"                | -     | 5.4         | 90° 10'        | -1.1            | -6.5                    |                         | 825.8                | #        | -94                     | -379                  | 999,946     | 358.264 | 4/999,975 x - 358,280<br>1/4 4 way enter. |  |
| 796         | 490            |                   | 243° 45'                    | -     | 6.8         | 90° 10'        | -1.4            | -8.2                    |                         | 824.1                |          | -107                    | -478                  | 999,933     | 358.165 |   |  |
| 797         | 818            |                   | 241° 10'                    | -     | 8.6         | 90° 10'        | -2.4            | -11.0                   |                         | 821.3                |          | -215                    | -789                  | 999,825     | 357.854 |   |  |
| 798         | 1148           |                   | 240° - -                    | -     | 10.7        | 90° 10'        | -3.3            | -14.0                   |                         | 818.3                |          | -324                    | -1101                 | 999,716     | 357.542 |   |  |
| 799         | 1478           |                   | 239° 45'                    | -     | 7.9         | 90° 20'        | -8.6            | -16.5                   |                         | 815.8                |          | -423                    | -1416                 | 999,617     | 357.227 |   |  |
| 800         | 1807           |                   | 239° 55'                    | -     | 9.0         | 90° 20'        | -10.5           | -19.5                   |                         | 812.8                |          | -513                    | -1733                 | 999,527     | 356.910 |   |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |               |         |             |              |        |                  |       |          |                               |      |    |
|------|---------|----------------|---------------|---------|-------------|--------------|--------|------------------|-------|----------|-------------------------------|------|----|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp    | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.S   | LINE NO. | 4                             | PAGE | 56 |
| AREA | ARIZONA | TOPO MAP       | QUARTZSITE-15 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              | RANGE | PPM      | PARTY MANAGER<br>J. M. CLELAN |      |    |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 832.3                   |                      |               |                         |                       |             |         |         |  |
| 801         | 2136           |                   | 239° 45'                    | +13.6 | 9.0         | 90° 20'        | -12.4           | -21.4                   |                         | 810.9                |               | -612                    | -2046                 | 999,428     | 356,597 |         |  |
| 802         | 2462           |                   | 238° 55'                    | -     | 10.0        | 90° 20'        | -14.3           | -24.3                   |                         | 808.0                |               | -740                    | -2348                 | 999,300     | 356,295 |         |  |
| 803         | 2781           |                   | 237° -                      | -     | 12.1        | 90° 20'        | -16.2           | -28.3                   |                         | 804.0                |               | -924                    | -2623                 | 999,116     | 356,020 |         |  |
| TP          | 2903           |                   | 236° 23' 03"                | -     | 12.8        | 90° 20'        | -16.9           | -29.7                   | } 29.6                  | 802.7                | TP            | -974                    | -2728                 | 999,045     | 355,917 |         |  |
| TP          | 2903           |                   |                             |       | 12.5        | 269° 40'       | -16.9           | -29.4                   |                         |                      | TP            | -1                      | +2                    |             |         |         |  |
|             | 425            |                   | 359° 10' 15"                | +13.6 | 5.3         | 89° 30'        | -3.7            | +1.6                    | } 804.3                 |                      | BS            | -414                    | -94                   |             |         |         |  |
|             | 425            |                   |                             |       | 5.2         | 270° 30'       | -3.7            | +1.5                    |                         | BS                   | -1            | +2                      |                       |             |         |         |  |
| 804         | 247            |                   | 358° 40'                    | -     | 6.1         | 89° 30'        | +2.2            | -3.9                    |                         | 800.4                |               | +241                    | +52                   | 998,871     | 355,877 |         |  |
| κ           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 799.2                | κ             | 0                       | 0                     | 998,630     | 355,825 |         |  |
| 805         | 90             |                   | 210° 20'                    | -     | 6.0         | 89° 30'        | +0.8            | -5.2                    |                         | 799.1                |               | -65                     | -62                   | 998,565     | 355,763 |         |  |
| 806         | 419            |                   | 204° 25'                    | -     | 3.4         | 98° 30'        | -3.7            | -7.1                    |                         | 797.2                |               | -330                    | -258                  | 998,300     | 355,567 |         |  |
| TP          | 514            |                   | 204° 28' 40"                | -     | 6.3         | -              |                 | -6.3                    | } 798.0                 |                      | TP            | -405                    | -317                  | 998,224     | 355,508 |         |  |
| TP          | 514            |                   |                             |       | 6.2         | 270° -         |                 | -6.2                    |                         | TP                   | -1            |                         |                       |             |         |         |  |
|             | 846            |                   | 15° 13' 54"                 | +13.6 | 13.7        | -              |                 | +13.7                   | } 811.7                 |                      | BS            | -741                    | -408                  |             |         |         |  |
|             | 846            |                   |                             |       | 13.6        | 276° -         |                 | +13.6                   |                         | BS                   | -1            | +2                      |                       |             |         |         |  |
| 807         | 625            |                   | 26° 50'                     | -     | 14.2        | 90° 10'        | -1.8            | -16.0                   |                         | 795.7                |               | +515                    | +353                  | 997,997     | 355,455 |         |  |
| 808         | 304            |                   | 12° 15'                     | -     | 5.5         | 91° 10'        | -6.2            | -11.7                   |                         | 800.0                |               | +274                    | +133                  | 997,756     | 355,235 |         |  |
| κ           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 806.6                | κ             | 0                       | 0                     | 997,482     | 355,102 |         |  |
| 809         | 135            |                   | 283° 40'                    | -     | 5.7         | 90° 20'        | -0.8            | -6.5                    |                         | 805.2                |               | +62                     | -120                  | 997,544     | 354,982 |         |  |
| 810         | 414            |                   | 240° 40'                    | -     | 5.2         | 96° 20'        | -2.4            | -7.6                    |                         | 804.1                |               | -112                    | -398                  | 997,370     | 354,704 |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

| DATE        |                | INSTRUMENT MAN    |                             | ROD MAN     |             | PARTY NUMBER   |                 | NOTES CHECKED BY        |                         |                      | LINE NO.      |                         | PAGE                  |               |         |   |
|-------------|----------------|-------------------|-----------------------------|-------------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|---------|---|
| 2-28-86     |                | B. Cotcamp        |                             | B. SALDIVAR |             | 6834           |                 | B.S                     |                         |                      | 4             |                         | 57                    |               |         |   |
| AREA        |                | TOPO MAP          |                             | STATE       |             | COUNTY         |                 | TWP                     |                         | RANGE                |               | PPM                     |                       | PARTY MANAGER |         |   |
| ARIZONA     |                | QUARTZ Site - 15' |                             | AZ.         |             | LA PAZ         |                 |                         |                         |                      |               |                         |                       | J. McCLELLAN  |         |   |
| 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<br>X<br>TP | COORDINATES             |                       | REMARKS       |         |   |
|             |                |                   |                             |             |             |                |                 |                         |                         |                      |               | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. |               | Y       | X |
|             |                |                   |                             |             |             |                |                 |                         | 811.7                   |                      |               |                         |                       |               |         |   |
| 81          | 404            |                   | 239° 31' 28"                |             | 5.3         | 90° 20'        | -2.4            | -7.7                    |                         | 804.0                | X             | -117                    | -387                  | 997,365       | 354,715 |   |
| 811         | 744            |                   | 239° 55'                    |             | 6.3         | 90° 20'        | -4.3            | -10.6                   |                         | 801.1                |               | -211                    | -713                  | 997,271       | 354,389 |   |
| 812         | 1066           |                   | 243° 10'                    |             | 8.1         | 90° 20'        | -6.2            | -14.3                   |                         | 797.4                |               | -244                    | -1038                 | 997,238       | 354,064 |   |
| 813         | 1385           |                   | 246° 49' 03"                |             | 8.7         | 90° 20'        | -8.1            | -16.8                   | } 784.4                 | 794.9                | TP            | -231                    | -1366                 | 997,250       | 353,738 |   |
| 813         | 1385           |                   |                             |             | 8.6         | 269° 40'       | -8.1            | -16.7                   |                         | TP                   |               | -1                      | +2                    |               |         |   |
|             | 1636           |                   | 77° 59' 22"                 |             | +3.8        | 89° 30'        | -14.3           | -10.5                   |                         | BS                   |               | +45                     | -1635                 |               |         |   |
|             | 1636           |                   |                             |             | +3.7        | 270° 30'       | -14.3           | -10.6                   |                         |                      | BS            | -1                      | +2                    |               |         |   |
| 814         | 1307           |                   | 77° 40'                     |             | 7.6         | 89° 30'        | +11.4           | +3.8                    |                         | 788.2                |               | -29                     | +1307                 | 997,265       | 353,412 |   |
| 815         | 980            |                   | 75° 40'                     |             | 9.0         | 89° 30'        | +8.6            | -0.5                    |                         | 783.9                |               | +13                     | +980                  | 997,307       | 353,085 |   |
| 816         | 655            |                   | 71° 40'                     |             | 7.2         | 89° 30'        | +5.7            | -1.5                    |                         | 782.9                |               | +54                     | +653                  | 997,348       | 352,758 |   |
| 817         | 330            |                   | 69° 10'                     |             | 5.8         | 89° 30'        | +2.9            | -2.9                    |                         | 781.5                |               | +42                     | +327                  | 997,336       | 352,432 |   |
| 818         | 0              |                   |                             |             | 5.1         | -              |                 | -5.1                    |                         | 779.3                | X             | 6                       | 0                     | 997,294       | 352,105 |   |
| 819         | 330            |                   | 232° 10'                    |             | 7.3         | 90° 30'        | -2.9            | -10.2                   |                         | 774.2                |               | -135                    | -301                  | 997,159       | 351,804 |   |
| 820         | 660            |                   | 231° 35'                    |             | 12.4        | 90° 30'        | -5.8            | -18.2                   |                         | 766.2                |               | -277                    | -599                  | 997,017       | 351,506 |   |
| 821         | 961            |                   | 240° 30'                    |             | 10.6        | 90° 30'        | -8.1            | -19.0                   |                         | 765.4                |               | -263                    | -924                  | 997,031       | 351,181 |   |
| 822         | 1286           |                   | 242° 05'                    |             | 11.0        | 90° 30'        | -11.2           | -22.2                   |                         | 762.2                |               | -318                    | -1246                 | 996,976       | 350,859 |   |
| 823         | 1611           |                   | 244° 10'                    |             | 11.6        | 90° 30'        | -14.1           | -25.7                   |                         | 758.7                |               | -341                    | -1574                 | 996,953       | 350,531 |   |
| 824         | 1937           |                   | 246° -                      |             | 12.1        | 90° 30'        | -16.9           | -29.0                   |                         | 755.4                |               | -350                    | -1905                 | 996,944       | 350,200 |   |
| 825         | 2204           |                   | 243° 40'                    |             | 6.0         | 90° 40'        | -25.6           | -31.6                   |                         | 752.8                |               | -486                    | -2150                 | 996,808       | 349,955 |   |

997,390 x - 354,795  
y-inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                |         |             |              |        |                  |    |          |   |      |               |               |
|------|---------|----------------|----------------|---------|-------------|--------------|--------|------------------|----|----------|---|------|---------------|---------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. C. Camp     | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | BS | LINE NO. | 4 | PAGE | 58            |               |
| AREA | ARIZONA | TOPO MAP       | QUARTZSITE-15' | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |    | RANGE    |   | PPM  | PARTY MANAGER | J. Mc CLELLAN |

| 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<br>X<br>TP | NORTH + | EAST + | COORDINATES |         | REMARKS                    |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|---------|--------|-------------|---------|----------------------------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | SOUTH - | WEST - | Y           | X       |                            |  |
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.    | DEP.   | Y           | X       |                            |  |
|             |                |                   |                             |       |             |                |                 |                         | 784.4                   |                      |               |         |        |             |         |                            |  |
| 826         | 2367           |                   | 236° 14' 36"                | +13.6 | 10.5        | 90° 30'        | -20.7           | -31.2                   | -31.13                  | 753.3                | TP            | -816    | -2222  | 996.477     | 349.885 |                            |  |
| 826         | 2367           |                   |                             |       | 10.2        | 269° 30'       | -20.7           | -30.9                   |                         | TP                   |               | -1      | +2     |             |         |                            |  |
|             | 2603           |                   | 65° 03' 58"                 | -     | 14.9        | 89° 22'        | -28.8           | -13.9                   |                         | -14.02               | 739.3         | BS      | -512   | -2552       |         |                            |  |
|             | 2603           |                   |                             |       | 14.6        | 270° 38'       | -28.8           | -14.2                   | BS                      |                      |               | -1      | +2     |             |         |                            |  |
| 827         | 2296           |                   | 67° 10'                     | -     | 8.7         | 89° 30'        | +20.0           | +11.3                   |                         | 750.6                |               | +368    | +2266  | 996.332     | 349.601 |                            |  |
| 828         | 1969           |                   | 68° 20'                     | -     | 12.5        | 89° 30'        | +17.2           | +4.7                    |                         | 744.0                |               | +276    | +1950  | 996.240     | 349.285 |                            |  |
| 829         | 1642           |                   | 69° 45'                     | -     | 12.0        | 89° 30'        | +14.3           | +2.3                    |                         | 741.6                |               | +190    | +1631  | 996.154     | 348.966 |                            |  |
| 830         | 1316           |                   | 69° 30'                     | +13.6 | 8.7         | 89° 30'        | +11.5           | +2.8                    |                         | 742.1                |               | +158    | +1306  | 996.122     | 348.641 |                            |  |
| 831         | 990            |                   | 67° 05'                     | -     | 8.2         | 89° 30'        | +8.6            | +0.4                    |                         | 739.7                |               | +160    | +977   | 996.124     | 348.312 |                            |  |
| 832         | 660            |                   | 65° 55'                     | -     | 7.7         | 89° 30'        | +5.8            | -1.9                    |                         | 737.4                |               | +120    | +649   | 996.084     | 347.984 | QUARTZSITE - 15' ↑         |  |
| 833         | 330            |                   | 65° 25'                     | -     | 6.3         | 89° 30'        | +2.9            | -3.4                    |                         | 735.9                |               | +63     | +324   | 996.027     | 347.659 | MIDDLE CAMP Mtn. - 7 1/2 ↓ |  |
| 834         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 734.2                | X             | 0       | 0      | 995.964     | 347.335 |                            |  |
| 835         | 330            |                   | 235° 35'                    | -     | 5.5         | 90° 30'        | -2.9            | -8.4                    |                         | 730.9                |               | -117    | -308   | 995.847     | 347.027 |                            |  |
| 836         | 654            |                   | 233° -                      | -     | 9.4         | 90° 30'        | -5.7            | -15.1                   |                         | 724.2                |               | -260    | -600   | 995.704     | 346.735 |                            |  |
| 837         | 981            |                   | 236° 25'                    | -     | 8.1         | 90° 30'        | -8.6            | -16.7                   |                         | 722.6                |               | -335    | -922   | 995.629     | 346.413 |                            |  |
| #           | 1203           |                   | 229° 08' 16"                | -     | 14.4        | 90° 20'        | -7.0            | -21.4                   |                         | 717.9                | #             | -551    | -1069  | 995.413     | 346.266 | 9-995,310 x-346,245 WASH.  |  |
| 838         | 1266           |                   | 228° 20'                    | -     | 12.2        | 90° 20'        | -7.4            | -19.6                   |                         | 719.7                |               | -596    | -1117  | 995.368     | 346.218 |                            |  |
| TP          | 1218           |                   | 226° 57' 04"                | -     | 14.9        | 90° 10'        | -3.8            | -18.7                   | -18.63                  | 720.7                | TP            | -648    | -1148  | 995.315     | 346.189 |                            |  |
| TP          | 1318           |                   |                             |       | 14.6        | 269° 56'       | -3.8            | -18.4                   |                         | TP                   |               | -1      | +2     |             |         |                            |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                      |         |             |              |        |                  |      |          |   |      |               |               |
|------|---------|----------------|----------------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|---------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp           | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.C. | LINE NO. | 4 | PAGE | 59            |               |
| AREA | ARIZONA | TOPOMAP        | Middle Camp Mtr. 7th | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. M. CLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS                           |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|-----------------------------------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |                                   |  |
|             |                |                   |                             |       |             |                |                 |                         |                         | 720.7                |               |                 |       |               |         |             |  |                                   |  |
|             | 332            |                   | 356 11 34                   | +13.6 | 5.2         | -              |                 | +5.2                    | 725.9                   |                      | BS            | -327            | -56   |               |         |             |  |                                   |  |
|             | 332            |                   |                             |       | +5.2        | 270 -          |                 | +5.2                    |                         | BS                   |               | -1              | +2    |               |         |             |  |                                   |  |
| 839         | 66             |                   | 356 12                      | -     | 5.6         | 90 20          | -0.4            | -6.0                    |                         | 719.9                |               | +65             | +11   | 995,052       | 346,146 |             |  |                                   |  |
| TP          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 720.8                | TP            | 0               | 0     | 994,987       | 346,135 |             |  |                                   |  |
| 840         | 263            |                   | 180 45                      | -     | 7.8         | 89 20          | +3.1            | -4.7                    |                         | 721.2                |               | -255            | -65   | 994,732       | 346,070 |             |  |                                   |  |
| TP          | 432            |                   | 180 51 16                   | -     | 6.7         | 89 40          | +2.5            | -4.2                    |                         | 721.7                | TP            | -418            | -108  | 994,568       | 346,029 |             |  |                                   |  |
| TP          | 432            |                   |                             |       | 6.6         | 270 20         | +2.5            | -4.1                    |                         |                      | TP            | -1              | +2    |               |         |             |  |                                   |  |
|             | 1033           |                   | 12 23 39                    | +13.6 | 12.9        | 91 -           | +18.0           | +30.9                   | 752.6                   |                      | BS            | -928            | -453  |               |         |             |  |                                   |  |
|             | 1033           |                   |                             |       | +12.8       | 269 -          | +18.0           | +30.8                   |                         | BS                   |               | -1              | +2    |               |         |             |  |                                   |  |
| 841         | 877            |                   | 12 05                       | -     | 9.3         | 91 30          | -23.0           | -32.3                   |                         | 720.3                |               | +790            | +380  | 994,429       | 345,958 |             |  |                                   |  |
| 842         | 566            |                   | 10 40                       | -     | 13.4        | 91 30          | -14.8           | -28.2                   |                         | 724.4                |               | +516            | +233  | 994,155       | 345,811 |             |  |                                   |  |
| 843         | 284            |                   | 347 20                      | -     | 5.8         | 92 30          | -12.4           | -18.2                   |                         | 734.4                |               | +284            | +5    | 993,923       | 345,583 |             |  |                                   |  |
| TP          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 747.5                | TP            | 0               | 0     | 993,639       | 345,578 |             |  |                                   |  |
| 844         | 255            |                   | 291 -                       | +13.6 | 8.8         | 92 30          | -11.1           | -19.9                   |                         | 732.7                |               | +64             | -247  | 993,703       | 345,331 |             |  |                                   |  |
| TP          | 432            |                   | 256 06 15                   | -     | 5.6         | 92 12          | -16.6           | -22.2                   |                         | 730.4                | TP            | -2              | -432  | 993,637       | 345,146 |             |  | 993,610 X = 345,160<br>T - Inter. |  |
| 845         | 558            |                   | 262 55                      | -     | 6.3         | 92 -           | -19.5           | -25.8                   |                         | 726.8                |               | +63             | -554  | 993,702       | 345,024 |             |  |                                   |  |
| 846         | 846            |                   | 274 05                      | -     | 8.1         | 91 -           | -14.8           | -22.9                   |                         | 729.7                |               | +257            | -806  | 993,896       | 344,772 |             |  |                                   |  |
| 847         | 1018           |                   | 281 46 18                   | -     | 8.6         | 91 -           | -17.8           | -26.4                   |                         | 726.2                |               | +436            | -920  | 994,075       | 344,658 |             |  |                                   |  |
| 847         | 1121           |                   | 284 45                      | -     | 8.8         | 91 -           | -19.6           | -28.4                   |                         | 724.2                |               | +532            | -987  | 994,171       | 344,591 |             |  |                                   |  |
| 848         | 1446           |                   | 287 10                      | -     | 3.8         | 90 50          | -21.0           | -24.8                   |                         | 727.8                |               | +740            | -1242 | 994,379       | 344,336 |             |  |                                   |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|                 |                                  |                        |                      |                               |               |            |
|-----------------|----------------------------------|------------------------|----------------------|-------------------------------|---------------|------------|
| DATE<br>2-28-86 | INSTRUMENT MAN<br>B. Cotcamp     | ROD MAN<br>B. SALDIVAR | PARTY NUMBER<br>6834 | NOTES CHECKED BY<br>B.C       | LINE NO.<br>4 | PAGE<br>60 |
| AREA<br>ARIZONA | TOPO MAP<br>Middle Camp Mtn. AZ. | STATE<br>AZ.           | COUNTY<br>LA PAZ     | TWP                           | RANGE         | PPM        |
|                 |                                  |                        |                      | PARTY MANAGER<br>J. McClellan |               |            |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES                                 |  | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|---|--|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |   |  |         |
|             |                |                   |                             |       |             |                |                 |                         | 752.6                   |                      |               |                 |       |               |         |   |  |         |
| 849         | 1770           |                   | 287° -                      | +13.6 | 8.7         | 90° 40'        | -20.6           | -29.3                   |                         | 723.3                |               | +901            | -1524 | 994540        | 344,054 |   |  |         |
| 850         | 2081           |                   | 284° 05'                    | -     | 9.1         | 90° 40'        | -24.2           | -33.3                   |                         | 719.3                |               | +967            | -1843 | 994606        | 343,735 |   |  |         |
| 851         | 2392           |                   | 286° 40'                    | -     | 5.1         | 90° 40'        | -27.8           | -32.9                   |                         | 719.7                |               | +1206           | -2066 | 994845        | 343,512 |   |  |         |
| 852         | 2711           |                   | 288° 50'                    | -     | 6.0         | 90° 40'        | -31.5           | -37.5                   |                         | 715.1                |               | +1454           | -2288 | 995093        | 343,290 |   |  |         |
| 853         | 3029           |                   | 287° 49' 45"                | -     | 12.4        | 90° 30'        | -26.4           | -38.8                   | -38.7                   | 713.9                | TP            | +1579           | -2585 | 995217        | 342,995 | Across flag.                                |  |         |
| 853         | 3029           |                   |                             |       | 12.1        | 269° 30'       | -26.4           | -38.5                   |                         | TP                   |               |                 | -1    | +2            |         |   |  |         |
|             | 1312           |                   | 119° 32' 46"                | +13.6 | 14.2        | 89° 30'        | -11.4           | +2.8                    | +2.7                    | 716.0                | BS            | +897            | -957  |               |         |   |  |         |
|             | 1312           |                   |                             |       | 14.0        | 270° 30'       | -11.4           | +2.6                    |                         | BS                   |               |                 | -1    | +2            |         |   |  |         |
| 854         | 987            |                   | 118° 20'                    | -     | 10.1        | 89° 30'        | +8.6            | -1.5                    |                         | 715.1                |               | -660            | +734  | 995453        | 342,774 |   |  |         |
| 855         | 658            |                   | 118° 50'                    | -     | 6.2         | 89° 30'        | +5.7            | -0.5                    |                         | 716.1                |               | -444            | +486  | 995669        | 342,526 |   |  |         |
| 856         | 329            |                   | 120° 35'                    | -     | 6.3         | 89° 30'        | +2.9            | -3.4                    |                         | 713.2                |               | -229            | +236  | 995884        | 342,276 |   |  |         |
| 857         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 711.5                | X             | 0               | 0     | 996113        | 342,040 |   |  |         |
| 858         | 329            |                   | 281° 15'                    | +13.6 | 7.8         | 89° 30'        | +2.9            | -4.9                    |                         | 711.7                |               | +138            | -299  | 996251        | 341,741 |   |  |         |
| 859         | 654            |                   | 276° 40'                    | -     | 10.8        | 89° 40'        | +3.8            | -7.0                    |                         | 709.6                |               | +227            | -614  | 996340        | 341,426 |   |  |         |
| Y           | 678            |                   | 276° 01' 52"                | -     | 9.7         | 89° 40'        | +3.9            | -5.8                    |                         | 710.8                | Y             | +228            | -639  | 996341        | 341,401 | 996,315 x - 341,400<br>y - Inter. EL. 710.0 |  |         |
| 860         | 981            |                   | 275° 10'                    |       | 11.8        | 89° 40'        | +5.7            | -6.1                    |                         | 710.5                |               | +316            | -929  | 996429        | 341,111 |   |  |         |
| 861         | 1300           |                   | 279° 19' 25"                | -     | 11.9        | 89° 50'        | +3.8            | -8.1                    | -8.0                    | 708.6                | TP            | +506            | -1177 | 996618        | 340,845 |   |  |         |
| 861         | 1300           |                   |                             |       | 11.6        | 270° 10'       | +3.8            | -7.8                    |                         | TP                   |               |                 | -1    | +2            |         |   |  |         |
|             | 2422           |                   | 117° 13' 33"                | -     | 7.5         | 89° 30'        | -21.1           | -13.6                   | +13.7                   | 694.9                | BS            | +1583           | -1833 |               |         |   |  |         |
|             | 2422           |                   |                             |       | 7.2         | 270° 30'       | -21.1           | -13.9                   |                         | BS                   |               |                 | -1    | +2            |         |   |  |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                        |         |             |              |        |                  |     |          |   |      |               |              |
|------|---------|----------------|------------------------|---------|-------------|--------------|--------|------------------|-----|----------|---|------|---------------|--------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp             | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.C | LINE NO. | 4 | PAGE | 61            |              |
| AREA | ARIZONA | TOPO MAP       | Middle Camp Mtn. 7 1/2 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |     | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS           |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|-------------------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |                   |  |
|             |                |                   |                             |       |             |                |                 |                         | 694.9                   |                      |               |                 |       |               |         |             |  |                   |  |
| 862         | 2095           |                   | 118° 20'                    | +13.6 | 7.3         | 89° 30'        | +18.3           | +11.0                   |                         | 705.9                |               | -1400           | +1559 | 996800        | 340.573 |             |  |                   |  |
| 863         | 1766           |                   | 118° 55'                    | -     | 6.7         | 89° 30'        | +15.4           | +8.7                    |                         | 703.6                |               | -1193           | +1302 | 997007        | 340.316 |             |  |                   |  |
| 864         | 1436           |                   | 119° 05'                    | -     | 7.2         | 89° 30'        | +12.5           | +5.3                    |                         | 700.2                |               | -974            | +1056 | 997226        | 340.070 |             |  |                   |  |
| 865         | 1111           |                   | 121° 05'                    | -     | 6.2         | 89° 30'        | +9.7            | +3.5                    |                         | 698.4                |               | -781            | +790  | 997419        | 339.804 |             |  |                   |  |
| 866         | 783            |                   | 122° 40'                    | -     | 6.3         | 89° 30'        | +6.8            | +0.5                    |                         | 695.4                |               | -566            | +541  | 997634        | 339.555 |             |  |                   |  |
| 867         | 453            |                   | 121° 50'                    | -     | 5.7         | 89° 30'        | +4.0            | -1.7                    |                         | 693.2                |               | -323            | +318  | 997877        | 339.332 |             |  |                   |  |
| 868         | 125            |                   | 115° 15'                    | -     | 5.9         | 89° 30'        | +1.1            | -4.8                    |                         | 690.1                |               | -78             | +97   | 998122        | 339.111 |             |  |                   |  |
| X           | 0              |                   |                             |       | 5.1         | -              | -               | -5.1                    |                         | 689.8                | X             | 0               | 0     | 998206        | 339.014 |             |  |                   |  |
| 869         | 204            |                   | 300° 10'                    | +13.6 | 6.4         | 90° 10'        | -0.6            | -7.0                    |                         | 687.9                |               | +141            | -147  | 998341        | 338.867 |             |  |                   |  |
| 870         | 534            |                   | 301° 15'                    | -     | 7.5         | 90° 10'        | -1.6            | -9.1                    |                         | 685.8                |               | +377            | -379  | 998577        | 338.635 |             |  |                   |  |
| 871         | 862            |                   | 303° 30'                    | -     | 8.7         | 90° 10'        | -2.5            | -11.2                   |                         | 683.7                |               | +631            | -587  | 998831        | 338.427 |             |  |                   |  |
| 872         | 1191           |                   | 303° 10'                    | -     | 13.0        | 90° 10'        | -3.5            | -16.5                   |                         | 678.4                |               | +868            | -816  | 999068        | 338.198 |             |  | 999,100 x-338,110 |  |
| H           | 1247           |                   | 361° 55' 30"                | -     | 13.3        | 90° 10'        | -5.8            | -19.1                   |                         | 675.8                | H             | +890            | -874  | 999090        | 338.140 |             |  | # wash EL 675.0   |  |
| 873         | 1427           |                   | 293° 46' 55"                | -     | 13.8        | 89° 56'        | +1.7            | -12.1                   |                         |                      | TP            | +866            | -1134 | 999065        | 337.882 |             |  |                   |  |
| 873         | 1427           |                   |                             |       | 13.5        | 270° 04'       | +1.7            | -11.8                   |                         | 683.0                | TP            | -1              | +2    |               |         |             |  |                   |  |
|             | 2492           |                   | 50° 21' 15"                 | +13.6 | 3.7         | 91° -          | +43.5           | +47.2                   |                         | 471.730.1            | BS            | -1094           | -2239 |               |         |             |  |                   |  |
|             | 2492           |                   |                             |       | 3.3         | 269° -         | +43.5           | +46.8                   |                         |                      | BS            | -1              | +2    |               |         |             |  |                   |  |
| 874         | 2169           |                   | 48° 46'                     | -     | 6.9         | 91° -          | -37.9           | -44.8                   |                         | 685.3                |               | +1006           | +1922 | 998976        | 337.567 |             |  |                   |  |
| 875         | 1841           |                   | 49° -                       | -     | 12.2        | 91° -          | -32.1           | -44.3                   |                         | 685.8                |               | +847            | +1634 | 998817        | 337.279 |             |  |                   |  |
| 876         | 1530           |                   | 51° 56'                     | -     | 12.1        | 91° 10'        | -31.2           | -43.3                   |                         | 686.8                |               | +636            | +1392 | 998606        | 337.037 |             |  |                   |  |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                     |         |             |              |        |                  |      |          |   |      |               |               |
|------|---------|----------------|---------------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|---------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp          | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.C. | LINE NO. | 4 | PAGE | 62            |               |
| AREA | ARIZONA | TOPO MAP       | Middle Camp Mtn. 74 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. Mc Clellan |

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |
|             |                |                   |                             |       |             |                |                 |                         | 730.1                   |                      |               |                 |       |               |         |             |  |         |
| 877         | 1216           |                   | 54° 45'                     | +13.6 | 11.1        | 91° 10'        | -24.8           | -35.9                   |                         | 694.2                |               | +449            | +1130 | 998,419       | 336.775 |             |  |         |
| 878         | 909            |                   | 60° 30'                     | -     | 11.7        | 91° 40'        | -26.4           | -38.1                   |                         | 692.0                |               | +249            | +874  | 998,219       | 336.519 |             |  |         |
| 879         | 584            | 583.4             | 64° 20'                     | -     | 9.4         | 92° 40'        | -27.2           | -36.6                   |                         | 693.5                |               | +122            | +571  | 998,092       | 336.216 |             |  |         |
| 880         | 278            | 277.1             | 52° 40'                     | -     | 12.1        | 94° 40'        | -22.6           | -34.7                   |                         | 695.4                |               | +112            | +254  | 998,082       | 335.899 |             |  |         |
| TP          | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 725.0                | TP            | 0               | 0     | 997,970       | 335.645 |             |  |         |
| 881         | 156            | 151.4             | 317 -                       | +13.6 | 5.4         | 104 -          | -37.7           | -43.1                   |                         | 687.0                |               | +132            | -74   | 998,102       | 335.571 |             |  |         |
| 882         | 405            | 403.6             | 268° 10'                    | -     | 8.0         | 94° 50'        | -34.1           | -42.1                   |                         | 688.0                |               | +82             | -395  | 998,052       | 335.250 |             |  |         |
| 883         | 724            | 723.1             | 260° 50'                    | -     | 5.8         | 92° 50'        | -35.8           | -41.6                   |                         | 688.5                |               | +56             | -721  | 998,026       | 334.924 |             |  |         |
| 884         | 1038           |                   | 254° 50'                    | -     | 8.5         | 91° 50'        | -33.2           | -41.7                   |                         | 688.4                |               | -28             | -1038 | 997,942       | 334.607 |             |  |         |
| 885         | 1357           |                   | 254° 25'                    | +13.6 | 9.1         | 91° 30'        | -35.5           | -44.6                   |                         | 685.5                |               | -47             | -1356 | 997,923       | 334.289 |             |  |         |
| 886         | 1682           |                   | 252° 50'                    | -     | 8.3         | 91° 10'        | -34.2           | -42.5                   |                         | 687.6                |               | -105            | -1679 | 997,865       | 333.966 |             |  |         |
| 887         | 1995           |                   | 250° 57'                    | -     | 8.7         | 91 -           | -34.8           | -43.5                   |                         | 686.6                |               | -189            | -1986 | 997,781       | 333.659 |             |  |         |
| 888         | 2323           |                   | 249° 25'                    | -     | 7.3         | 90° 50'        | -33.8           | -41.1                   |                         | 689.0                |               | -282            | -2306 | 997,688       | 333.339 |             |  |         |
| 889         | 2620           |                   | 247° 18'                    | -     | 8.0         | 90° 40'        | -30.5           | -38.5                   |                         | 691.6                |               | -414            | -2587 | 997,556       | 333.058 |             |  |         |
| TP          | 2663           |                   | 245° 39' 33"                | -     | 14.6        | 90° 30'        | -23.2           | -37.8                   |                         |                      | TP            | -496            | -2616 | 997,473       | 333.031 |             |  |         |
| TP          | 2663           |                   |                             |       | 14.3        | 269° 30'       | -23.2           | -37.5                   | -37.63                  | 692.5                | TP            | -1              | +2    |               |         |             |  |         |
|             | 1194           |                   | 43° 00' 45"                 | +13.6 | 11.3        | BH             | +6.0            | +17.3                   |                         |                      | BS            | -657            | -997  |               |         |             |  |         |
|             | 1194           |                   |                             |       | 11.1        | BH 270         | +6.0            | +17.1                   | +12.23                  | 709.7                | BS            | -1              | +2    |               |         |             |  |         |
| 890         | 956            |                   | 45° 15'                     | -     | 11.3        | 90° 20'        | -5.6            | -16.9                   |                         | 692.8                |               | +495            | +818  | 997,310       | 332.854 |             |  |         |
| 891         | 639            |                   | 41° 50'                     | -     | 10.3        | 90° 20'        | -3.7            | -14.0                   |                         | 695.7                |               | +363            | +526  | 997,178       | 332.562 |             |  |         |

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

|      |         |                |                        |         |             |              |        |                  |      |          |   |      |               |              |
|------|---------|----------------|------------------------|---------|-------------|--------------|--------|------------------|------|----------|---|------|---------------|--------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp             | ROD MAN | B. SALDIVAR | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.C. | LINE NO. | 4 | PAGE | 63            |              |
| AREA | ARIZONA | TOPO MAP       | Middle Camp Mtn. 2 1/2 | STATE   | AZ.         | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. McCLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH -<br>LAT. | EAST + WEST -<br>DEP. | COORDINATES |         | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-------------------------|-----------------------|-------------|---------|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               |                         |                       | Y           | X       |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 709.7                   |                      |               |                         |                       |             |         |         |  |
| 892         | 330            |                   | 36° 05'                     | +13.6 | 6.8         | 90° 20'        | -1.9            | -8.7                    |                         | 701.0                |               | +214                    | +252                  | 997.029     | 332.288 |         |  |
| 893         | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 704.6                | π             | 0                       | 0                     | 996.815     | 332.036 |         |  |
| 894         | 330            |                   | 216° 30'                    | -     | 4.8         | 89° 20'        | +3.8            | -1.0                    |                         | 708.7                |               | -212                    | -253                  | 996.603     | 331.783 |         |  |
| 895         | 655            |                   | 223° -                      | -     | 8.7         | 89° 20'        | +7.6            | -1.1                    |                         | 708.6                |               | -361                    | -547                  | 996.454     | 331.489 |         |  |
| 896         | 981            |                   | 226° 10'                    | -     | 10.7        | 89° 20'        | +11.4           | +0.7                    |                         | 710.4                |               | -494                    | -848                  | 996.321     | 331.188 |         |  |
| 897         | 1304           |                   | 227° 25'                    | -     | 6.3         | 89° 30'        | +11.4           | +5.1                    |                         | 714.8                |               | -632                    | -1141                 | 996.183     | 330.895 |         |  |
| 898         | 1624           |                   | 223° 39' 50"                | -     | 13.1        | 89° 14'        | +21.7           | +8.6                    |                         |                      | TP            | -878                    | -1366                 | 995.936     | 330.672 |         |  |
| 898         | 1624           |                   |                             |       | 13.0        | 270° 46'       | +21.7           | +8.7                    |                         | 718.4                | TP            | -                       | -2                    |             |         |         |  |
|             | 1442           | 1441.4            | 61° 21' 34"                 | +13.6 | 11.8        | 91° 40'        | +41.9           | +53.7                   | +53.6                   | 772.0                | BS            | -374                    | -1392                 |             |         |         |  |
|             | 1442           |                   |                             |       | 11.5        | 268° 20'       | +41.9           | +53.4                   |                         |                      | BS            | -                       | -2                    |             |         |         |  |
| 899         | 1117           | 1116.2            | 63° 10'                     | -     | 12.8        | 92° 10'        | -42.2           | -55.0                   |                         | 717.0                |               | +256                    | +1087                 | 995.817     | 330.369 |         |  |
| 900         | 837            | 836.4             | 54° 50'                     | -     | 11.9        | 92° 10'        | -31.6           | -43.5                   |                         | 728.5                |               | +307                    | +778                  | 995.808     | 330.060 |         |  |
| 901         | 556            |                   | 40° 15'                     | -     | 13.7        | 92° 10'        | -21.0           | -34.7                   |                         | 737.3                |               | +328                    | +449                  | 995.889     | 329.731 |         |  |
| 902         | 254            |                   | 28° 20'                     | -     | 10.0        | 92° 40'        | -11.8           | -21.8                   |                         | 750.2                |               | +189                    | +170                  | 995.750     | 329.452 |         |  |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 766.9                | π             | 0                       | 0                     | 995.561     | 329.282 |         |  |
| 903         | 76             |                   | 222° 30'                    | +13.6 | 4.7         | 89° 30'        | +0.7            | -4.0                    |                         | 768.0                |               | -42                     | -63                   | 995.519     | 329.219 |         |  |
| 904         | 405            |                   | 230° 40'                    | -     | 7.1         | 88° 10'        | +13.0           | +5.9                    |                         | 777.9                |               | -176                    | -365                  | 995.385     | 328.917 |         |  |
| 905         | 733            |                   | 233° 25'                    | -     | 6.1         | 88° -          | +25.6           | +19.5                   |                         | 791.5                |               | -286                    | -675                  | 995.275     | 328.607 |         |  |
| 906         | 1056           | 1055.4            | 238° 05'                    | -     | 8.2         | 88° -          | +36.9           | +28.7                   |                         | 800.7                |               | -332                    | -1002                 | 995.229     | 328.280 |         |  |
| 907         | 1384           | 1383.2            | 237° 10'                    | -     | 8.5         | 88° -          | +48.3           | +39.8                   |                         | 811.8                |               | -456                    | -1306                 | 995.105     | 327.976 |         |  |

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

|      |         |                |                       |         |            |              |        |                  |      |          |   |      |               |               |
|------|---------|----------------|-----------------------|---------|------------|--------------|--------|------------------|------|----------|---|------|---------------|---------------|
| DATE | 2-28-86 | INSTRUMENT MAN | B. Cotcamp            | ROD MAN | B. Cotcamp | PARTY NUMBER | 6834   | NOTES CHECKED BY | B.C. | LINE NO. | 4 | PAGE | 64            |               |
| AREA | ARIZONA | TOPG. MAP      | Middle Camp Mtr. - 72 | STATE   | AZ.        | COUNTY       | LA PAZ | TWP              |      | RANGE    |   | PPM  | PARTY MANAGER | J. Mc CLELLAN |

| 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<br>X<br>TP | NORTH + SOUTH - | EAST + WEST - | COORDINATES |         | REMARKS                 |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|---------------|-------------|---------|-------------------------|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.          | Y           | X       |                         |
|             |                |                   |                             |       |             |                |                 |                         | 772.0                   |                      |               |                 |               |             |         |                         |
| TP          | 1649           | 1648.0            | 235° 11' 04"                | +13.6 | 6.4         | 88°            | +57.5           | +51.1                   | +51.3                   | 823.3                | TP            | -596            | -1536         | 994.963     | 327.748 |                         |
| TP          | 1649           |                   |                             |       | 6.1         | 272°           | +57.5           | +51.4                   |                         |                      | TP            | -2              | +2            |             |         |                         |
|             | 1920           |                   | 63° 17' 45"                 | -     | +6.4        | 91°            | +33.5           | +39.9                   | +39.8 863.1             |                      | BS            | -435            | -1870         |             |         |                         |
|             | 1920           |                   |                             |       | +6.1        | 269°           | +33.5           | +39.6                   |                         | BS                   | -2            | +2              |               |             |         |                         |
| 908         | 1862           |                   | 62° 48'                     | -     | 7.0         | 91° 10'        | -37.9           | -44.9                   |                         | 818.2                |               | +438            | +1810         | 994.964     | 327.690 |                         |
| 909         | 1556           | 1555.2            | 60° 30'                     | -     | 11.1        | 91° 50'        | -49.8           | -60.9                   |                         | 802.2                |               | +426            | +1496         | 994.952     | 327.376 |                         |
| 910         | 1241           | 1240.4            | 56° 30'                     | -     | 7.9         | 91° 50'        | -39.7           | -47.6                   |                         | 815.5                |               | +422            | +1166         | 994.948     | 327.046 |                         |
| 911         | 921            | 920.3             | 54° 15'                     | -     | 10.2        | 92° 10'        | -34.8           | -45.0                   |                         | 818.1                |               | +347            | +852          | 994.973     | 326.732 |                         |
| 912         | 596            | 595.4             | 55° 15'                     | -     | 8.5         | 92° 40'        | -27.7           | -36.2                   |                         | 826.9                |               | +215            | +555          | 994.741     | 326.435 |                         |
| 913         | 288            | 286.8             | 40° 15'                     | -     | 6.2         | 95° 16'        | -26.4           | -32.6                   |                         | 830.5                |               | +169            | +232          | 994.695     | 326.112 |                         |
| X           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 858.0                | X             | 0               | 0             | 994.526     | 325.880 |                         |
| 914         | 126            |                   | 302° 35'                    | +13.6 | 10.3        | 95° 16'        | -11.6           | -21.9                   |                         | 841.2                |               | +91             | -87           | 994.617     | 325.793 | y = 994.570 x - 325.700 |
| TP          | 197            |                   | 272° 14' 52"                | -     | 7.4         | 91° 56'        | -6.6            | -14.0                   |                         | 849.1                | TP            | +54             | -189          | 994.580     | 325.691 | 90° CORNER EL. 851.0    |
| 915         | 306            | 304.8             | 230° 30'                    | -     | 6.2         | 95°            | -26.7           | -32.9                   |                         | 830.2                |               | -133            | -274          | 994.393     | 325.606 |                         |
| 916         | 606            | 605.1             | 224°                        | -     | 10.2        | 93° 06'        | -32.8           | -43.0                   |                         | 820.1                |               | -324            | -511          | 994.202     | 325.369 |                         |
| 917         | 894            | 892.8             | 217° 15'                    | -     | 5.2         | 92° 56'        | -45.8           | -51.0                   |                         | 812.1                |               | -564            | -692          | 993.962     | 325.188 |                         |
| TP          | 1041           |                   | 214° 17' 34"                | -     | 5.1         | 91° 40'        | -30.3           | -35.4                   | -38.2 789.1             |                      | TP            | -698            | -772          | 993.826     | 325.110 |                         |
| TP          | 1041           |                   |                             |       | 5.0         | 268° 20'       | -30.3           | -35.3                   |                         |                      | 827.8         | TP              | -2            | +2          |         |                         |
|             | 1154           |                   | 28° 18' 40"                 | -     | +1.7        | 88°            | -40.3           | -38.6                   | -38.2 789.1             |                      | BS            | -858            | -770          |             |         |                         |
|             | 1154           |                   |                             |       | +1.4        | 272°           | -40.3           | -38.9                   |                         |                      |               | BS              | -2            | +2          |         |                         |

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE: 2-28-86

INSTRUMENT MAN: B. Cotcamp

ROD MAN: B. SALDIVAR

PARTY NUMBER: 6834

NOTES CHECKED BY:

LINE NO: 4

PAGE: 65

AREA: ARIZONA

TOPG. MAN: Middle Camp Mtn. - 7 1/2'

STATE: AZ.

COUNTY: LA PAZ

TWP:

RANGE:

PPM:

PARTY MANAGER: J. McClellan

| 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<br>X<br>TP | NORTH + SOUTH - |       | EAST + WEST - |         | COORDINATES |  | REMARKS |  |
|-------------|----------------|-------------------|-----------------------------|-------|-------------|----------------|-----------------|-------------------------|-------------------------|----------------------|---------------|-----------------|-------|---------------|---------|-------------|--|---------|--|
|             |                |                   |                             |       |             |                |                 |                         |                         |                      |               | LAT.            | DEP.  | Y             | X       |             |  |         |  |
|             |                |                   |                             |       |             |                |                 |                         | 789.1                   |                      |               |                 |       |               |         |             |  |         |  |
| 918         | 1025           |                   | 32° 55'                     | +13.6 | 5.8         | 89° 10'        | +14.9           | +9.1                    |                         | 798.2                |               | + 705           | + 744 | 993,671       | 325.086 |             |  |         |  |
| 919         | 698            |                   | 30° 15'                     | -     | 13.1        | 89° 10'        | +10.2           | -3.0                    |                         | 786.1                |               | + 503           | + 484 | 993,469       | 324.826 |             |  |         |  |
| 920         | 412            |                   | 13° 45'                     | -     | 9.5         | 91° 10'        | -8.4            | -17.9                   |                         | 771.2                |               | + 366           | + 189 | 993,332       | 324.531 |             |  |         |  |
| 921         | 84             |                   | 22° 30'                     | -     | 7.3         | 91° 10'        | -1.7            | -9.0                    |                         | 780.1                |               | + 68            | + 49  | 993,034       | 324.391 |             |  |         |  |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 784.0                | π             | 0               | 0     | 992,966       | 324.342 |             |  |         |  |
| 922         | 247            |                   | 227° 20'                    | +13.6 | 5.5         | 91° 10'        | -5.0            | -10.5                   |                         | 778.6                |               | - 120           | - 216 | 992,846       | 324.126 |             |  |         |  |
| 923         | 568            |                   | 217° 40'                    | -     | 8.6         | 90° 10'        | -1.7            | -10.3                   |                         | 778.8                |               | - 355           | - 443 | 992,611       | 323.899 |             |  |         |  |
| 924         | 842            |                   | 232° 15'                    | -     | 9.2         | 90° 30'        | -7.3            | -16.5                   |                         | 772.6                |               | - 344           | - 768 | 992,622       | 323.574 |             |  |         | E.O.L. Line #4   |
| TP          | 1154           |                   | 28° 18' 40"                 | -     | 1.7         | 88°            | +40.3           | +38.6                   |                         |                      | TP            | + 858           | + 770 | 993.822       | 325.114 |             |  |         |  |
| TP          | 1154           |                   |                             |       | 1.4         | 272°           | +40.3           | +38.9                   | +38.83                  | 827.9                | TP            | -2              | +2    |               |         |             |  |         |  |
|             | 1041           |                   | 214° 17' 34"                | -     | 5.1         | 91° 40'        | +30.3           | +35.4                   | 863.3                   |                      | BS            | + 698           | + 772 |               |         |             |  |         |  |
|             | 1041           |                   |                             |       | 5.0         | 268° 20'       | +30.3           | +35.3                   |                         |                      | BS            | -2              | +2    |               |         |             |  |         |  |
| π           | 0              |                   |                             |       | 5.1         | -              |                 | -5.1                    |                         | 858.2                | π             | 0               | 0     | 994,518       | 325.888 |             |  |         |  |
| π           | 197            |                   | 272° 14' 32"                | -     | 14.0        | -              |                 | -14.0                   |                         | 849.3                | π             | + 54            | - 190 | 994,570       | 325.700 |             |  |         | y - 994,570 x - 325,700<br>79.9° CORRN EL. 851.0<br>Horiz y - 38'<br>CORR. x - +60 |