

Form 3860-10
(October 1979)
(formerly 3400-11)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number
4772

State Arizona

Land District

FIELD NOTES

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Inspiration Consolidated Copper Co.
c/o G. Henry Ladendorff, Attorney at Law
Suite 716, Arizona Bank Building
Phoenix, Arizona 85003

Known as the *(name of group, if any)*

MIRIAM lode

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
MIRIAM lode	11/5/73	

Mining district	Globe	County	Gila
Section	26	Township	1 North
		Range	14 East
		Meridian	Gila & Salt River
Survey commenced	Dec. 18, 1973	Survey completed	Dec. 31, 1973
		Name of Mineral Surveyor	Travis L. Gant
		Survey under order dated	Dec. 7, 1973

FEET

This survey was made with a Kern theodolite Model DKM-2AE Ser. No. 145997, having automatic vertical indexing and microscopic angle reading capabilities enabling the instrument man to read angles, either horizontal or vertical, to 1 sec. of arc. This instrument was used in conjunction with electronic distance-measuring equipment, i.e., a Hewlett-Packard Model 3800 Distance Meter, Ser. No. 0987 A 00472, having a range of 10,000 feet and an absolute accuracy of 0.01 feet plus the distance measured divided by 100,000 when operated in normal temperature ranges. Also available for use by the instrument man was a W. & L. E. Gurley transit, Ser. No. 57289, equipped with horizontal limb 6½ ins. diam., having two double opposite verniers, and a full vertical circle 5 ins. diam., having one double vernier; the horizontal verniers read to 3 secs. of arc; the vertical vernier reads to one minute of arc. This instrument was used for short-distance taping and alignment procedures and for topographic detail where great distances were not involved.

All bearings in this record were determined by the method of deflection angles referred to the meridian determined by the following solar observation:

December 21, 1973, at Cor. No. 2 of the Miriam lode in latitude 33° 24' 03" N., and longitude 110° 54' 35" W., as determined by scaling from U.S.G.S quadrangle INSPIRATION, dated 1945, elevation 4025 ft. above sea level, and temperature 48° F., make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the theodolite telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from a reference point approximately 600 feet southeasterly clockwise to the sun.

Mean time of observation, 105th
meridian, standard time = 2^h 48^m p.m.

Declination of sun at mean
time of observation = 22° 26' 36" S.

Mean observed vertical angle
to sun's center, corrected
for refraction and parallax = 23° 56' 11"

Mean horizontal angle from
reference point to sun's center
turned clockwise and to the
right to sun's center = 43° 45' 06"

True bearing to
reference point = S. 8° 15' 00" E.

FEET

The lines were measured with either a Lufkin steel tape or with the aforementioned electronic distance meter. The tape was 500 feet in length, graduated every foot for 500 feet, with an added foot on the zero end, graduated in tenths and hundredths; the tape was compared with a standard 100.00 foot tape at the time of the beginning of the survey and found to be correct. The distance meter was compared with a taped course, 1200.00 feet in length, measured as a base-line with a standard 100.00 foot tape, and found to be precise and accurate.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey have a uniform value of 14° E.

Mineral Survey No. 4772

MIRIAM LODGE

At Cor. No. 1 of the MIRIAM lode.

Set an iron post, 1 in. diam., 2 ft. long, 16 ins. in the ground, in a concrete foundation, with 2 ins. diam. brass cap mkd. MIRIAM-1-4772; from which

The standard sec. cor. of secs. 34 and 35, T. 1 N., R. 14 E., Gila and Salt River Meridian, bears S. 2° 18' 30" W., 7456.68 ft. dist.; monumented with an iron post, 2 ins. diam., surrounded by a mound of stone raised to base of brass cap which was properly mkd. as described in the official record.

The SE. Cor. of the Barney No. 21 lode, Uns., bears N. 76° 07' 44" E., 639.94 ft. dist.

Cor. No. 2, M.S. No. 2875 Gila Monster lode, bears N. 36° 17' E., 50.75 ft. dist.

Cor. No. 1, M.S. No. 2880 Barney No. 21 lode, bears N. 71° 01' 36" E., 257.28 ft. dist.

FEET	
	<p>Cor. No. 3, M.S. No. 3206 Pinyon lode, claimant herein, bears S. 52° 18' 30" E., 387.18 ft. dist.</p> <p>Cor. No. 4, M.S. No. 3206 Roman Eagle No. 1 lode, claimant herein, bears S. 41° 37' 41" E., 599.28 ft. dist.</p> <p style="text-align: center;">Thence N. 8° 15' W.</p>
32.63	Intersect line 1-2, M.S. No. 2880 Barney No. 21 lode, at a point from which Cor. No. 1 bears N. 79° 13' E., 253.22 ft. dist.
37.96	Intersect the southeasterly line of Barney No. 21 lode, Uns., and the northwesterly line of Tract B of M.S. No. 2880; from this point the SW. Cor. of Barney No. 21 lode, Uns., identical with the NW. Cor. of Tract B bears S. 79° 17' W., 155.51 ft. dist.
300.00	Lode line; discovery point bears S. 68° 00' E., 200.0 ft. dist.
433.41	Intersect line 3-4 M.S. No. 2684 Live Oak No. 5 lode, at a point from which Cor. No. 4, identical with Cor. No. 1 M.S. No. 2684 Live Oak No. 4 lode, Cor. No. 2 M.S. No. 2684 Live Oak No. 3 lode, and Cor. No. 3 M.S. No. 2684 Live Oak No. 2 lode, bears S. 69° 12' E., 1135.45 ft. dist.
600.00	<p>Cor. No. 2.</p> <p>Set an iron post, 1 in. diam., 2 ft. long, 17 ins. in the ground, in a concrete foundation, with 2 ins. diam. brass cap mkd. MIRIAM 2-4772.</p> <p style="text-align: center;">Thence S. 68° 00' E.</p>
164.	Leave natural ground, enter level bench; contact line bears N. 75° E. and S. 65° W.
211.79	Intersect line 2-3 M.S. No. 2875 Gila Monster lode at a point from which Cor. No. 2 bears S. 9° 37' W., 480.29 ft. dist.
271.50	Intersect line 4-1 M.S. No. 2880 Barney No. 21 lode at a point from which Cor. No. 1 bears S. 10° 46' E., 419.80 ft. dist.
520.	Westerly rim of open pit; leave level bench area; pit rim curves NNE. and South.
581.13	Intersect line 2-3 M.S. No. 2684 Live Oak No. 4 lode at a point from which Cor. No. 2 bears S. 9° 29' W., 252.57 ft. dist.

FEET	
663.42	Intersect line 4-1 M.S. No. 2875 Gila Monster lode at a point from which Cor. No. 1 bears S. 11° 16' W., 403.48 ft. dist.
728.82	Intersect the northeasterly line of Barney No. 21 lode, Uns., at a point from which the SE. Cor. thereof bears S. 10° 42' E., 170.31 ft. dist.
1,192.42	Intersect line 4-1 M.S. No. 2684 Live Oak No. 4 lode and line 2-3 M.S. No. 2684 Live Oak No. 3 lode at a point from which Cor. No. 1 and Cor. No. 2 respectively bear S. 9° 28' W., 123.06 ft. dist.; these cors. are also identical with Cor. No. 3 M.S. No. 2684 Live Oak No. 2 lode and Cor. No. 4 M.S. No. 2684 Live Oak No. 5 lode.
1,500.00	<p>The true point for Cor. No. 3.</p> <p>This corner falls in an open pit mining area where a monument cannot be established nor preserved.</p> <p>From the true point for Cor. No. 3</p> <p style="padding-left: 40px;">Cor. No. 2, M.S. No. 2684 Live Oak No. 3 lode, identical with Cor. No. 3, M.S. No. 2684 Live Oak No. 2 lode, Cor. No. 4, M.S. No. 2684 Live Oak No. 5 lode, and Cor. No. 1, M.S. No. 2684 Live Oak No. 4 lode, bears S. 88° 50' 40" W., 305.49 ft. dist.</p> <p style="padding-left: 80px;">Thence S. 8° 15' E.</p>
61.94	Intersect line 1-2 M.S. No. 2684 Live Oak No. 3 lode, and line 3-4 M.S. No. 2684 Live Oak No. 2 lode at a point from which Cor. No. 2 and Cor. No. 3 respectively bear N. 80° 03' W., 319.11 ft. dist.; these cors. are also identical with Cor. No. 4 M.S. No. 2684 Live Oak No. 5 lode and Cor. No. 1 M.S. 2684 Live Oak No. 4 lode.
300.00	Lode line; discovery point bears N. 68° 00' W., 1300.0 ft. dist.
600.00	<p>The true point for Cor. No. 4.</p> <p>This corner falls in an open pit mining area where a monument cannot be established nor preserved.</p> <p style="padding-left: 80px;">Thence N. 68° 00' W.</p>

FEET	
497.18	Intersect line 2-3 M.S. No. 2684 Live Oak No. 2 lode and line 4-1 M.S. No. 2684 Live Oak No. 5 lode at a point from which Cor. No. 3 and Cor. No. 4 respectively bear N. 9° 49' E., 407.35 ft. dist.; these corners are identical with Cor. No. 1 M.S. No. 2684 Live Oak No. 4 lode and Cor. No. 2 M.S. No. 2684 Live Oak No. 3 lode.
1,197.	Westerly rim of open pit; enter level bench area; pit rim curves northeasterly and south-westerly.
1,328.	Leave level bench; enter natural ground; contact line bears North and South.
1,500.00	Cor. No. 1, and place of beginning.
Mineral Survey No. 4772	
	AREAS
	Acres
	Total area, MIRIAM lode 17.848
	Area in conflict with ---
	TRACT 1, hereinafter described 2.252
	M.S. No. 2684 Live Oak No. 2 lode 4.145
	M.S. No. 2684 Live Oak No. 3 lode 0.640
	M.S. No. 2684 Live Oak No. 4 lode 2.573
	M.S. No. 2684 Live Oak No. 4 lode, exclusive of its conflict with TRACT 1 2.242
	M.S. No. 2684 Live Oak No. 5 lode 9.521
	M.S. No. 2684 Live Oak No. 5 lode, exclusive of its conflict with:
	(1) TRACT 1 7.269
	(2) M.S. No. 2684 Live Oak No. 4 lode 8.724
	(3) M.S. No. 2684 Live Oak No. 4 lode and TRACT 1 6.803
	M.S. No. 2875 Gila Monster lode 4.423
	M.S. No. 2875 Gila Monster lode, exclusive of its conflict with:
	(1) TRACT 1 2.320
	(2) M.S. No. 2684 Live Oak No. 4 lode 3.993
	(3) M.S. No. 2684 Live Oak No. 5 lode 1.403
	(4) M.S. No. 2684 Live Oak No. 4 and Live Oak No. 5 lodes 1.160
	(5) M.S. No. 2684 Live Oak No. 4 and Live Oak No. 5 lodes and TRACT 1 1.160

FEET

M.S. No. 2880 Barney No. 21 lode	2.748
M.S. No. 2880 Barney No. 21 lode, exclusive of its conflict with:	
(1) TRACT 1	1.682
(2) M.S. No. 2684 Live Oak No. 5 lode	0.893
(3) M.S. No. 2684 Live Oak No. 5 lode and TRACT 1	0.893
(4) M.S. No. 2875 Gila Monster lode	1.373
(5) M.S. No. 2875 Gila Monster lode and TRACT 1	1.373
(6) M.S. No. 2684 Live Oak No. 5 lode and M.S. No. 2875 Gila Monster lode	0.607
(7) M.S. No. 2684 Live Oak No. 5 lode, M.S. No. 2875 Gila Monster lode, and TRACT 1	0.607

TRACT 1

Those portions of M.S. No. 2684 Live Oak No. 4 and Live Oak No. 5 lodes, and of M.S. No. 2875 Gila Monster lode and of M.S. No. 2880 Barney No. 21 lode in conflict with MIRIAM lode of this survey, excluded by said Live Oak No. 4, Live Oak No. 5, Gila Monster, and Barney No. 21 lodes in favor of a location now abandoned, is bounded and described as follows:

Beginning at the SW. Cor. of TRACT 1, from which

Cor. No. 2, M.S. No. 2875 Gila Monster lode bears S. 9° 37' W., 3.52 ft. dist.

Cor. No. 1 of the MIRIAM lode of this survey bears S. 34° 36' W., 53.92 ft. dist.

Thence N. 9° 37' E., 332.84 ft., to line 3-4 Live Oak No. 5 lode;

Thence S. 69° 12' E., 568.90 ft., to a point on the same line;

Thence S. 10° 42' E., 17.41 ft., to the SE Cor. of the Barney No. 21 lode, Uns., now abandoned;

Thence S. 79° 32' 30" W., 600.64 ft., to the place of beginning.

TRACT 1 contains 2.252 acres.

FEET	
	LOCATION
	<p>This survey is located in the SW$\frac{1}{4}$ sec. 26, T. 1 N., R. 14 E., Gila and Salt River Meridian, Gila County, Arizona.</p> <p>The survey of the MIRIAM lode is identical with the location as marked on the ground.</p>
	EXPENDITURES
	<p>The improvements and the value of the labor and improvements made upon this lode claim by the claimant are as follows:</p>
No. 1	<p>The discovery point of the MIRIAM lode is on the lode line 200 ft. from a point on line 1-2, 300 ft. from Cor. No. 1. Value, none.</p>
No. 2	<p>A diamond drill hole bears N. 16° 50' E., 258 ft. from Cor. No. 1 MIRIAM lode; 10 ins. diam., 1,162 ft. depth. Value, \$16,668.</p>
	OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA
	<p>Sur. No. 2684 Live Oak No. 2 lode: Cors. Nos. 1 and 2 are brass-capped pipes, firmly set and properly mkd. except that the letters I.C.C.Co. have been also included on the caps. These pipes were purportedly set many years ago in the identical positions formerly occupied by the original pine posts which were rotting away, according to the testimony of Herbert H. Mellus, former Chief Mining Engineer for Inspiration Consolidated Copper Company, owners of this lode and all other lodes embraced in M.S. No. 2684. As no superior evidence could be found relative to the proper placement of these corner monuments, both were accepted as correct, and it is upon the positions of these monuments that the entire re-fabrication of boundaries of the following claims is based. Cors. Nos. 3 and 4 have been destroyed by mining operations in Inspiration's Live Oak Pit. Line 1-2 was found to be N. 80° 00' 40" W., 599.96 ft. instead of N. 80° 03' W. 600 ft., as approved; the bearings of lines 2-3 and 3-4 are shown as approved.</p> <p>Sur. No. 2684 Live Oak No. 3 lode: All corners have been destroyed by mining operations. Lines 1-2 and 2-3 are shown as approved.</p>

FEET

Sur. No. 2684 Live Oak No. 4 lode: All corners have been destroyed by mining operations. Line 1-2 was calculated from information given on the approved plat of M.S. No. 2880 for the position of Cor. No. 2 and was found to be N. $80^{\circ} 13' 54''$ W., 596.80 ft., instead of N. $80^{\circ} 03' 00''$ W., 600 ft., as approved. Line 2-3 is shown to bear N. $9^{\circ} 29' 00''$ E., as obtained from the approved plat of M.S. No. 2880 instead of N. $9^{\circ} 28' 00''$ E., as approved. The bearing of line 4-1 is shown as approved.

Sur. No. 2684 Live Oak No. 5 lode: All corners have been lost. Cors. Nos. 1 and 4 have been destroyed by mining operations, while Cors. Nos. 2 and 3 could not be found, probably due to the fact that the entire hillside situated west of the Live Oak Pit has been subjected to slippage and caving in the recent past. Line 1-2 was calculated from information given on the approved plat of M.S. No. 2880 for the position of Cor. No. 2 and was found to be N. $69^{\circ} 08' 45''$ W., 1346.84 ft., instead of N. $69^{\circ} 08' 00''$ W., 1347 ft., as approved. Lines 2-3 and 3-4 are shown as approved on the plat of M.S. 2880 and the positions of Cors. Nos. 2 and 3 were calculated from information shown on said plat. Therefore, line 2-3 is shown to be N. $9^{\circ} 49' 00''$ E., 600.00 ft., instead of N. $9^{\circ} 49' 00''$ E., 599.5 ft., as approved, and line 3-4 is shown to be S. $69^{\circ} 12' 00''$ E., 1346.60 ft., instead of S. $69^{\circ} 13' 00''$ E., 1346.6 ft., as approved. Line 4-1 is shown as approved.

Sur. No. 2875 Gila Monster lode: Cor. No. 1 has been destroyed by mining operations; Cors. Nos. 2, 3, and 4 could not be found, all three falling on caved ground. The information given on the approved plat of M.S. 2880, being a more recent survey, was given precedence over that shown on the approved plat for M.S. No. 2875 Gila Monster lode; consequently the following course information evolved: the position of Cor. No. 1 was calculated by intersecting lines 4-1 and 1-2, using the bearings appearing on the M.S. 2880 plat; line 1-2 is shown to bear N. $77^{\circ} 44' 00''$ W., at a calculated length of 429.97 ft., instead of N. $77^{\circ} 54' 00''$ W., 429.8 ft., as approved; line 2-3 is shown to bear N. $9^{\circ} 37' 00''$ E., instead of N. $9^{\circ} 27' 00''$ E., as approved; and line 4-1 is shown to bear S. $11^{\circ} 16' 00''$ W., instead of S. $10^{\circ} 59' 00''$ W., as approved.

FEET

Sur. No. 2880 Barney No. 21 lode: Cor. No. 1 has been destroyed by mining operations; Cors. Nos. 2, 3, and 4 could not be found, since all three cors. fall on caved or slipping ground. The position of the entire lode was calculated from information given on the plat for M.S. No. 2880 employing the intersection data shown thereon relative to M.S. No. 2684 Live Oak No. 5 lode. All lines are shown as approved.

Sur. No. 2880 Tract B: All lines are shown as approved.

M.S. No. 3206 Pineyon lode: All cors. have been lost due to mining operations. Cor. No. 4 is identical with Cor. No. 1, M.S. No. 2684 Live Oak No. 5 lode, described above, and Cor. No. 3 is shown at approved distance and bearing from Cor. No. 4; line 2-3 is also shown as approved.

M.S. No. 3206 Roman Eagle No. 1 lode: Cor. No. 3 could not be found; Cor. No. 4 has been lost due to mining operations. The position of Cor. No. 4 was calculated from data shown on the approved plat. The bearing of line 3-4 is shown as approved.

Barney No. 21 lode, Uns.: No evidence of any of the corners of this location could be found; the SE. cor. has been lost due to mining operations; the NE. cor. falls in caved ground; the NW. cor. is identical with Cor. No. 3 M.S. 2880 Barney No. 21 lode and could not be found for reasons given previously; the SW. cor., which is identical with the NW. cor. of M.S. No. 2880 Tract B could not be found presumably because of caving and ground slippage. The plats for M.S. Nos. 2684 and 2880 were consulted in order to derive the course data shown herein: the northeasterly end-line is shown as approved on the plat of M.S. No. 2684; the southeasterly side-line is shown with an angle-point at its intersection with line 2-3 M.S. 2875 Gila Monster lode, with that portion lying SW. of said line 2-3 being shown according to the plat of M. S. No. 2880 for the northwesterly boundary of Tract B, while that portion of said southeasterly side-line lying NE. of the angle-point was calculated to bear N. 79° 32' 30" E., instead of N. 79° 17' E., as approved on the plat of M.S. No. 2684. The southwesterly end-line is shown to bear N. 10° 46' W. in agreement with the approved plat of M.S. No. 2880 instead of N. 10° 42' W. as shown on the approved plat of M.S. No. 2684. The northwesterly side-line is shown as having the same bearing as line 1-2, M.S. No. 2880 Barney No. 20 lode with which it coincides in part.

FEET

FIELD ASSISTANTS

Loren E. Bunney	Instrumentman
Edward E. Zaragoza	Chainman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

011

CERTIFICATE OF SURVEYOR

011

Name of Mineral Surveyor	Date
Travis L. Gant	June 6, 1980

I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona, dated December 7, 1973, I have carefully executed the survey of the claim of Inspiration Consolidated Copper Co. known as the (lode, placer, or mill site) MIRIAM lode situated in Sec. 26, Township 1 North Range 14 East, Gila & Salt River Meridian, in the State of Arizona.

This survey, designated as number 4772, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) lode location(s) embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Globe, Arizona (Location)	<i>Travis L. Gant</i> (Signature of Mineral Surveyor)
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CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date October 27, 1980

The foregoing field notes of mineral survey number 4772, in Section 26, Range 14 E., Gila & Salt River Meridian, in the State of Arizona, executed by Travis L. Gant, Mineral Surveyor, under order dated December 7, 1973, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

<i>Boyd S. Owens</i> Boyd S. Owens (Authorized Signature)	Chief, Branch of Cadastral Survey (Title)
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CERTIFICATE OF TRANSCRIPT

I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number is a true copy of the original field notes.

(Authorized Signature)	(Title)
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Title 18, U.S.C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OFFICE OF THE ASSISTANT
SECRETARY

1954

MEMORANDUM FOR THE ASSISTANT SECRETARY

SUBJECT: [Illegible]

[Illegible text follows, appearing to be a memorandum format with a subject line and several paragraphs of text.]

OFFICE OF THE ASSISTANT SECRETARY

[Illegible text, possibly a signature block or a section of a letter.]

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UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (952)
BUREAU OF LAND MANAGEMENT M.S. 4772
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Miriam lode, Mineral Survey No. 4772, located in sections 26 and 27, Township 1 North, Range 14 East, Gila and Salt River Meridian, Arizona, is hereby canceled.

This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

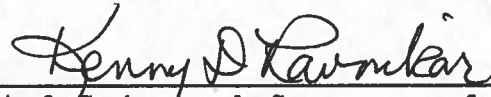
This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Miriam lode, M.S. 4772 was canceled March 9, 1999, by memo 9605 (952) M.S. 4772, which is now a part of the original field notes."

March 9, 1999

Date



Chief Cadastral Surveyor of Arizona

