

JAN 28 1952

4-688

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4359

ARIZONA

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

COPPER CITIES MINING COMPANY

Known As The

Arizona and Arizona No. 1 Lodes

Globe Mining District,

Gila County, Arizona

Sections 6 & 7, Township 1 North, Range 15 East, G. & S. R. B. M. A.

Surveyed under order dated July 23, 1951.

by K. W. HAMMES
Mineral Surveyor.

Claim located 14th of March, 1940.

Survey commenced August 1, 1951.

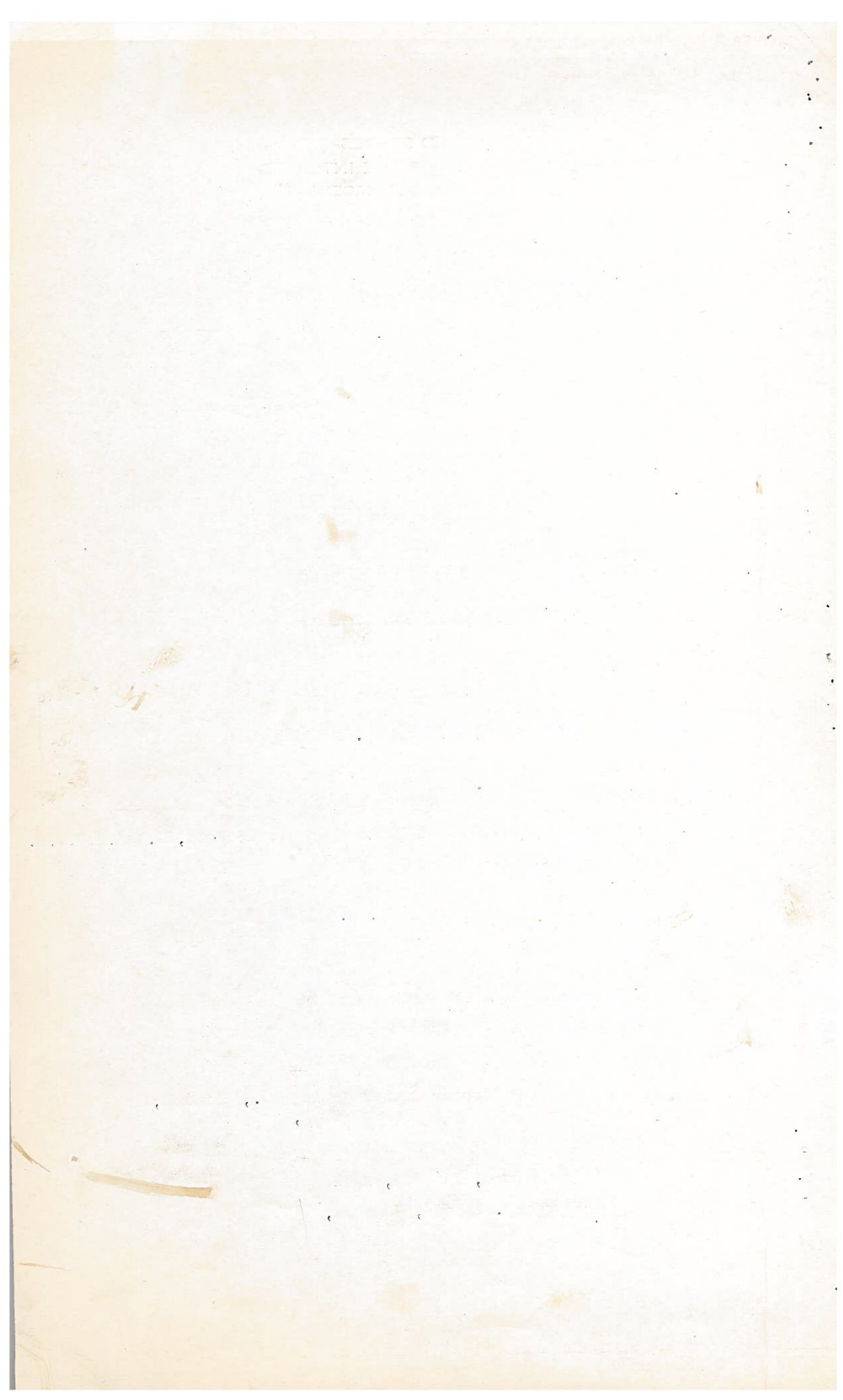
Survey completed October 20, 1951.

Address of claimant Copper Cities Mining Co., Box 100,
Miami, Arizona

DATES OF AMENDED LOCATIONS

Arizona Lode, June 28, 1951

Arizona No. 1 Lode, June 28, 1951



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This survey was made with a C.L. Berger and Sons Transit No. 11315, with horizontal limb 5.65 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored shade set in the dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

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

October 8, 1951, at Cor. No. 1 of the Arizona lode, in latitude $33^{\circ}27'06''$ N., and longitude $110^{\circ}52'W.$, I make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point about 500 ft. southward SE. to the sun.

Mean time of observation, 105th meridian standard time = 10h25m a.m.

Declination of the sun at mean time of observation = $5^{\circ}45'41''$

Mean observed vertical angle to sun's center = $43^{\circ}22'20''$

Mean horizontal angle from reference point to sun's center = $30^{\circ}29'50''$ S-E

True bearing to reference point = $S.7^{\circ}23'10''$ E.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot for the full length, with the first and last foot graduated to tenths and hundredths; the tape was compared with a standard 100 ft. Invar tape at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods, as shown by the calculation sheets herewith submitted.

The magnetic declination observed at each corner of the survey gave a uniform value of $16^{\circ}30'E.$

Feet

ARIZONA LODGE

At cor. No. 1 of the Arizona lode,

Set a yellow pine post, 60 ins. long, 4 ins. sq. 24 ins. in the ground, and in a mound of stone, mkd. A - 1 - 4359; from which

The $\frac{1}{4}$ sec. cor. of secs. 6 and 7, T.1 N., R.15 E., G. & S. R. Mer., bears $N.16^{\circ}26'30''E.$, 594.75 ft. dist., an iron post 1 in. diam., 20 ins. above ground and in a mound of stone, marked and witnessed as described in the official record.

Cor. No. 1 Sur. No. 2701 Rosaline No. 10 lode identical with cor. No. 2, Sur. No. 2494 Starr lode bears $S.61^{\circ}23'39''E.$, 307.55 ft.

No local bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence $N.82^{\circ}37'E.$

235.31 Intersect line 4-1 Sur. No. 2701 Rosaline No. 10 lode, common with line 2-3 Sur. No. 2494 Starr lode at a point from which the common cor. Nos. 1 and 2, bears $S.11^{\circ}40'E.$, 181.24 ft. dist.

300.0 Lode line; discovery point bears $S.7^{\circ}23'E.$, 500 ft. dist.

600.0 Cor. No. 2, identical with Cor. No. 1 Arizona No. 1 lode of this survey, and on line 1-2 Sur. No. 2494 Starr lode.

Set a yellow pine post, 60 ins. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. A - 2 - A1 - 1 - 4359;

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Feet	No local bearing objects or bearing trees available. Cor. No. 1 Sur. No. 2701 Rosaline No. 10 lode, identical with cor. No. 2 Sur. No. 2494 Starr lode, bears S.55°23'W., 394.94 ft. dist. Thence S.7°23'E.
653.87	Intersect line 3-4 Sur. No. 3654 Sarah Jane #1 lode at a point from which Cor. No. 4 bears N.44°38'E., 146.36 ft. dist.
674.80	Cor. No. 4, Arizona No. 1 lode of this survey.
1122.37	Cor. No. 3. Set a yellow pine post, 60 ins. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. A - 3 - 4359 No local bearing objects or bearing trees available. Thence S.82°37'W.
300.0	Lode line; discovery point bears N.7°23'W., 622.37 ft. dist.
600.0	Cor. No. 4, on line 1-2, Sur. No. 3491, Hamburg lode and on line 3-4, Sur. No. 3654 Sarah Jane #1 lode. Set a yellow pine post, 60 ins. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. A-4 - 4359; from which Cor. No. 2, Sur. No. 3491 Hamburg lode bears S.7°23'E., 526.70 ft. Cor. No. 4, Sur. No. 3654 Sarah Jane #1 lode bears N.44°38'E., 907.60 ft. No local bearing objects or bearing trees available. Thence N.7°23'W.
803.32	Intersect line 1-2 Sur. No. 2701, Rosaline No. 10 lode at a point from which cor. No. 1 bears N.53°33'E., 284.70 ft. dist. and from the same point, cor. No. 2 bears S.53°33'W., 59.70 ft. dist.
973.30	Cor. No. 1 Sur. No. 3491, Hamburg lode.
1122.37	Cor. No. 1, and place of beginning.
	ARIZONA NO. 1 LODE
	Beginning at Cor. No. 1 of the Arizona No. 1 lode, identical with Cor. No. 2 of the Arizona lode of this survey; from which The $\frac{1}{4}$ sec. cor. of secs. 6 and 7, T.1 N., R.15 E., G. & S. R. Mer., bears N.40°51'25"W., 652.25 ft. dist., previously described. Cor. No. 3 Sur. No. 2494 Rosaline No. 6 lode, bears S.50°14'10"E., 376.72 ft. dist. Thence N. 55°23'E.
255.06	Cor. No. 1 Sur. No. 2494 Starr lode, on line 3-4 Sur. No. 2494 Rosaline No. 6 lode. Cor. No. 3 of Rosaline No. 6 lode bears S.11°40'E., 394.00 ft. and Cor. No. 4 bears N.11°40'W., 234.00 ft.

SURVEY NO. 4359

Feet 1500.00	<p>Cor. No. 2.</p> <p>Set a yellow pine post, 60 ins. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. A1 - 2 - 4359.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 7° 23'E.</p>
337.40	Lode line; discovery point bears S.55°23'W., 1450 ft. dist.
408.02	<p>Intersect line 2-3 Sur. No. 2494 Rosaline No. 6 lode at a point from which cor. No. 3 bears S.55°23'W., 1211.84 ft. dist.</p> <p>From the same point, Cor. No. 2 bears N.55°23'E., 289.46 ft. dist.</p>
674.80	<p>Cor. No. 3.</p> <p>Set a yellow pine post, 60 ins. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. A1 - 3 - 4359.</p> <p>No local bearings available.</p> <p>Thence S. 55°23' W.</p>
1349.77	Intersect line 4-1 Sur. No. 3654 Sarah Jane #1 lode at a point from which cor. No. 4 bears N.30°42'W., 46.02 ft. dist.
1500.00	<p>Cor. No. 4, on line 2-3 Arizona lode of this survey.</p> <p>Set a yellow pine post, 60 ins. long, 4 ins. sq., 24 ins. in the ground, and in a mound of stone, mkd. A1 - 4 - 4359.</p> <p>No local bearings available.</p> <p>Thence N. 7°23' W.</p>
20.93	Intersect line 3-4 Sur. No. 3654 Sarah Jane #1 lode at a point from which cor. No. 4 bears N.44°38'E., 146.36 ft.
337.40	Lode line; discovery point bears N.55°23'E., 50 ft. dist.
674.80	Cor. No. 1, and place of beginning.

AREAS

	Acres
Total area, Arizona lode -----	15.459
Area in conflict with-	
Sur. No. 2701 Rosaline No. 10 lode -----	1.400
Sur. No. 2494 Starr lode -----	.756
Sur. No. 3654 Sarah Jane #1 lode-----	3.226
 Total area, Arizona No. 1 lode -----	 20.661
Area in conflict with -	
Sur. No. 2494 Rosaline No. 6 lode -----	10.231
Sur. No. 3654 Sarah Jane #1 lode -----	.107

LOCATION

This survey is located in the SE $\frac{1}{4}$ sec. 6, NE $\frac{1}{4}$ and NW $\frac{1}{4}$ sec. 7, T.1 N., R.15 E., G. and S.R. Meridian.

The survey of the Arizona and Arizona No.1 lodes is identical with the respective amended locations as marked on the ground.

SURVEY NO. 4359

EXPENDITURES.

The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:

- No. 1 The discovery cut of the Arizona lode, the face of which being the discovery point, is on the lode line 500 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 4 ft. wide, 10 ft. face, running N.55°23'E., 10 ft.
Value, \$100.
- No. 2 A cut, the east end of which bears S.26°E., 450 ft. from Cor. No. 1, Arizona lode, 12 ft. wide, 2 ft. deep, runs S.44°W., 18 ft. to face.
Value, \$75.
- No. 3 A cut, the east end of which bears S.28°05'E., 536 ft. from Cor. No. 1 of the Arizona lode, 5 ft. wide, 6 ft. face, runs S.45°W., 12 ft. to face.
Value, \$150.
- No. 4 A cut, the east end of which bears S.28°21'E., 550 ft. from Cor. No. 1 of Arizona lode, 8 ft. wide, 6 ft. face, runs S.45°W., 12 ft. to face.
Value, \$200.
- No. 5 A cut, the west end of which bears S.9°40'E., 494 ft. from Cor. No. 1 of Arizona lode, 8 ft. wide, 8 ft. face, runs N.50°E., 20 ft. to face.
Value, \$250.
- No. 1 The discovery cut of the Arizona No. 1 lode, the face of which being the discovery point, is on the lode line 50 ft. from a point on line 4-1, 337.40 ft. from Cor. No. 1, 8 ft. wide, 6 ft. face, runs N.55°23'E., 12 ft. to face.
Value, \$100.
- No. 2 A cut, the east end of which bears S.45°22'E., 292 ft. from Cor. No. 1 of Arizona No. 1 lode, 12 ft. wide, 8 ft. face, runs S.43°W., 15 ft. to face.
Value, \$300.
- No. 3 A cut, the west end of which bears S.71°17'W., 776 ft. from Cor. No. 3 of Arizona No. 1 lode, 8 ft. wide, 7 ft. face, runs N.40°E., 24 ft. to face.
Value, \$300.
- No. 4 A cut, the east end of which bears S.72°14'W., 195 ft. from Cor. No. 3 of Arizona No. 1 lode, 8 ft. wide, 7 ft. face, runs S.55°W., 8 ft. to face.
Value, \$100.
- No. 5 A road for the purpose of access to discovery cuts and assessment on the Arizona No. 1 lode, the north end of which intersects line 1-2, 28 ft. from Cor. No. 1 of the Arizona No. 1 lode; the length of access road is 550 ft.
Value, \$300.
- No. 6 A cut, the south end of which bears S.7°23'E., 265 ft. from Cor. No. 1 of the Arizona No. 1 lode, 8 ft. wide, 6 ft. face, runs N.7°23' W., 12 ft. to face.
Value, \$100.
Value of an undivided one-half interest credited to the Arizona No. 1 lode, \$50.

SURVEY NO. 4359

OTHER IMPROVEMENTS

A cut, the west end of which bears S.7°46'E., 341 ft. from Cor. No. 1 of Arizona lode, 4 ft. wide, 8 ft. face, running N.39°E., 44 ft.

A cut, the west end of which bears S.8°1'E., 380 ft. from Cor. No. 1 of Arizona lode, 5 ft. wide, 6 ft. face, running N.40°E., 23 ft. to face and portal of tunnel 5 x 6 ft. in size running N.47°E., 40 ft.

A cut, the west end of which bears N.3°8'W., 417 ft. from Cor. No. 4, of Arizona lode, 8 ft. wide, 8 ft. face, running N.15°E., 12 ft. to face and portal of tunnel 4 x 6 ft. in size, running N.15°E., 35 ft.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 2701 Rosaline No. 10 lode: Cor. No. 1 is a pine post and Cor. No. 2 is an iron pipe, firmly set and properly marked. Line 1-2 was found to be approximately correct as approved.

Sur. No. 2494 Starr lode: Cors. Nos. 1 and 2 are pine posts, firmly set and properly marked. Line 1-2 is correct as approved.

Sur. No. 3654 Sarah Jane No. 1 lode: Cors. Nos. 1 and 4 are iron pipes set firmly and properly marked. Line 4-1 is correct as approved.

Sur. No. 2494 Rosaline No. 6 lode: Cors. Nos. 1, 2, 3 and 4 are pine posts, firmly set and properly marked. Line 3-4 is correct as approved. Line 2-3 is correct as approved.

FIELD ASSISTANTS

O.T. Smith ----- Transitman
 Bill Martin ---- Chainman
 Marcus Olson --- Computer

		<p style="text-align: center;">UNITED STATES DEPARTMENT OF JUSTICE</p> <p style="text-align: center;">FEDERAL BUREAU OF INVESTIGATION</p> <p style="text-align: center;">WASHINGTON, D. C. 20535</p> <p style="text-align: center;">MEMORANDUM FOR THE DIRECTOR</p> <p style="text-align: center;">SUBJECT: [Illegible]</p> <p>[The remainder of the page contains several paragraphs of extremely faint, illegible text, likely representing a memorandum or report.]</p>
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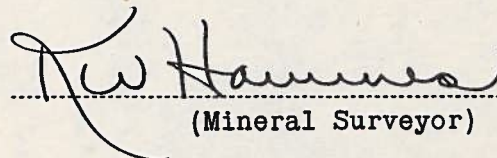
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, K. W. HAMMES, Mineral Surveyor,
 hereby certify upon honor that in pursuance of an order received from the United
States Dept. of Interior, Bureau of Land Management
at Albuquerque, N. M.,
 dated July 23, 1951, I have faithfully and correctly executed the survey
 of the mining claim of Copper Cities Mining Company
 , known as the Arizona lode and Arizona No. 1 lode
 (lode, placer, or millsite)
 , situate in Globe Mining District
Gila County, State of Arizona, Sec. 6 & 7 T. 1 N., R. 15 E.,
Meridian, G. & S. R. B. M. A., and designated
 (State)
 as Survey No. 4359, which is represented in the fore-
 going field notes as having been executed by me and under my direction, and that said
 survey has been made in strict conformity with said order, the Manual of Instructions
 for the Survey of the Public Lands of the United States, and in the specific manner
 described in the foregoing field notes, and I do further certify that the labor ex-
 pended and improvements made upon or for the benefit of the lode
 (lode or placer)
 locations embraced in the said mining claim by claimant— or its grantors
 are fully stated in my report therein, and that the character, extent, location, and
 itemized value thereof are specified therein with particularity and full detail, and
 that 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
(Place)

November 8, 1951
(Date)


 (Mineral Surveyor)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STATEMENT OF WORK

1. The purpose of this statement of work is to define the scope of work to be performed by the contractor under the terms of the contract.

2. The contractor shall provide the following services:

- a. Conduct a detailed survey of the land area described in the contract.
- b. Prepare a map showing the boundaries of the land area.
- c. Provide a written report of the results of the survey.

3. The contractor shall complete the work within the time specified in the contract.

4. The contractor shall be responsible for obtaining all necessary permits and approvals for the work.

5. The contractor shall maintain accurate records of all work performed and provide copies of these records to the Bureau of Land Management.

6. The contractor shall be responsible for the safety of all personnel and equipment used in the work.

7. The contractor shall be responsible for the protection of the environment and any cultural resources that may be present on the land area.

8. The contractor shall be responsible for the disposal of any waste materials generated during the work.

9. The contractor shall be responsible for the maintenance of all equipment used in the work.

10. The contractor shall be responsible for the transportation of all personnel and equipment to and from the work area.

Contractor

Bureau of Land Management

DATE: _____

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR

~~GENERAL LAND OFFICE~~ BUREAU OF LAND MANAGEMENT
~~PUBLIC SURVEY OFFICE~~ Division of Cadastral Engineering

At Albuquerque, New Mexico

January 10, 19 52

I, Office Cadastral Engineer at Albuquerque, New Mexico

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of Copper Cities Mining Company

....., known as the
Arizona and Arizona No. 1 Lodes

situate in Globe mining district,

Gila County, Arizona

in Sections 6 and 7, Township No. 1 North, Range No. 15 East

G&SRM, designated as Survey No. 4359

executed by K. W. Hammes, Mineral

Surveyor, August 1 to October 20, 1951, under my instructions dated

July 23, 1951, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

included and made a part of these field notes.

Geo. H. Well, Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C.

I, the undersigned, being a duly qualified and authorized agent of the Bureau of Land Management, do hereby certify that the field notes and survey of the mining claim of _____, located in the _____ and _____ of the _____, State of _____, and containing _____ acres, more or less, as shown on the attached map, are true and correct, and that the same have been approved by the Bureau of Land Management.

[Signature]
Special Agent in Charge