

Form 3400-11
(September 1967)
(formerly 4-683)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number	4724
State	Arizona
Land District	Arizona

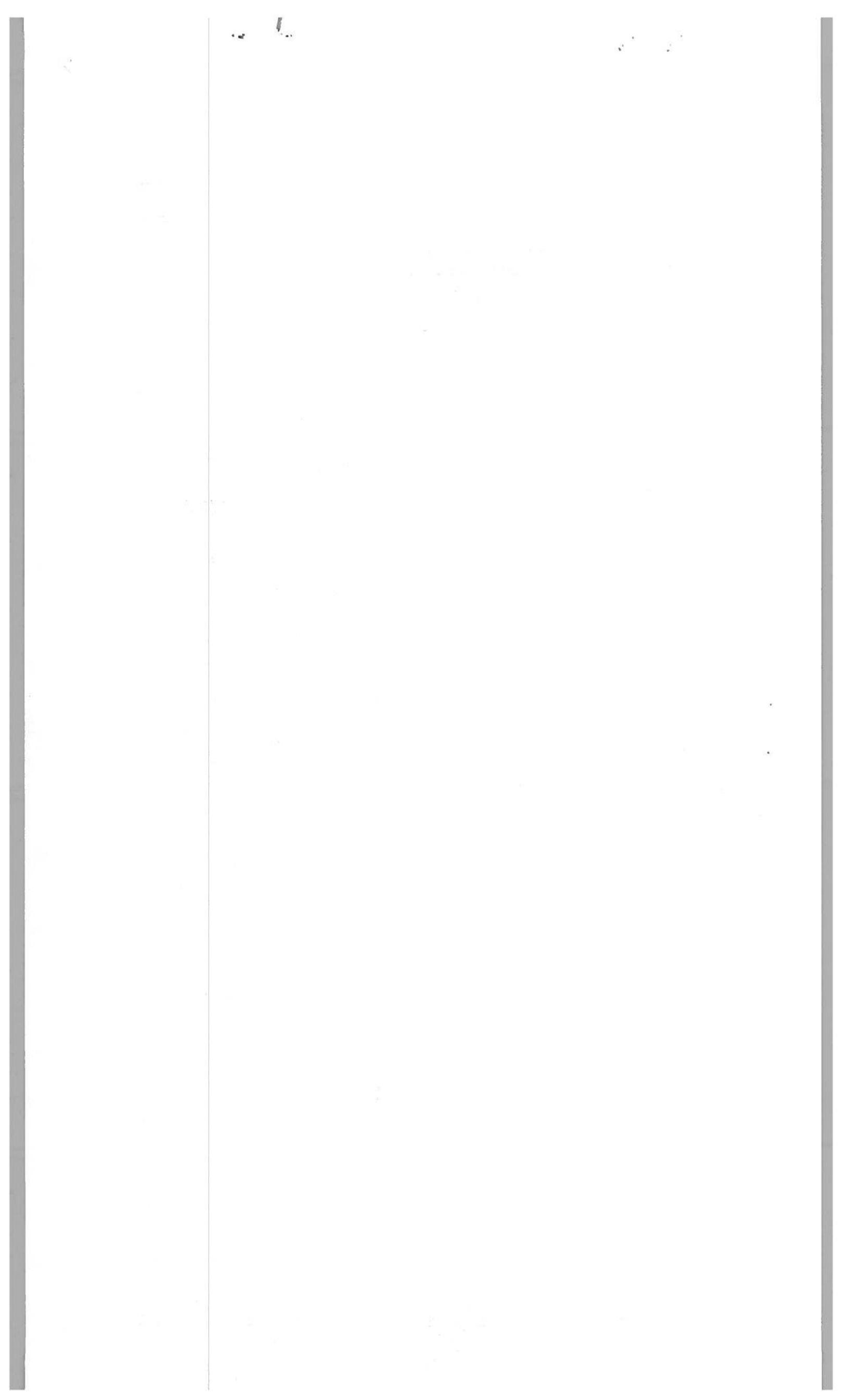
Of the Survey of the Mining Claim of *(name and address of Claimant)*
Inspiration Consolidated Copper Company
c/o G. Henry Ladendorff, Atty. at Law
Suite 716 Arizona Bank Bldg.
Phoenix, Arizona 85003

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
RATTLER	7/19/60	

Mining district			County	
Banner			Gila	
Section	Township	Range	Meridian	Survey under order dated
26 and 27	4 South	15 East	Gila & Salt River	May 23, 1972
Survey commenced		Survey completed	Name of Mineral Surveyor	
July 5, 1975		Aug. 18, 1975	Travis L. Gant	



F E E T

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 instrumentman 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 instrumentman 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 30 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:

August 4, 1975, at Cor. No. 4 of the RATTLER lode, in latitude 33° 03' 37" N., and longitude 110° 47' 24" W., as determined by scaling from U.S.G.S. quadrangle HAYDEN, ARIZ., dated 1964, at elevation 3710 ft. above mean sea level, and temperature 95° F., I 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 2725 feet northerly clockwise to the sun.

Mean time of observation, 105th meridian, standard time = 9:32 a.m.

Declination of sun at mean time of observation = N. 17° 17' 02"

Mean observed vertical angle to sun's center, corrected for refraction and parallax = 46° 38' 45"

Mean horizontal angle from reference point to sun's center turned clockwise and to the right to sun's center = 89° 46' 22"

True bearing to reference point = N. 10° 11' 30" E.

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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 was found to be correct. The distance meter was compared with a taped course, 1200 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 gave a uniform value of $13^{\circ} 30' E$.

Note concerning monumentation: All corners and witness cors. of this survey were monumented with iron posts, 2 ft. long, consisting of $3/4$ -inch nominal diam. water pipe having 1 ins. exterior diam., into the top of each of which was cemented a brass cap, 2 ins. diam., with a stem $2\frac{1}{2}$ ins. long. Epoxy materials were used for grouting the cap-stem into the pipe. Each cap was marked as described herein, using $1/8$ -inch steel dies for lettering and numbering. All such brass-capped posts were set in the ground in a foundation of at least $\frac{1}{2}$ cu. ft. of high early-strength portland cement concrete, mixed at the site. Alongside every corner monument I have caused to be erected a rock monument whose base is not less than $2\frac{1}{2}$ ft. in diam. and whose height is not less than $2\frac{1}{2}$ ft.

Mineral Survey No. 4724

RATTLER Lode

At Cor. No. 1 of the RATTLER Lode, established on line 1-2, M.S. No. 4722 Mid West lode.

Set an iron post, 2 ft. long, 1 ins. diam., 12 ins. in the ground and in a concrete base, with brass cap mkd. RAT-1-4724; from which

The $\frac{1}{4}$ sec. cor. of secs. 26 and 27, T. 4 S., R. 15 E., G. & S. R. M., bears S. $13^{\circ} 05' 17'' W.$, 976.47 ft. dist.; monumented with an iron post, 1 ins. diam., 12 ins. above ground, firmly set, with brass cap mkd. as described in the official record.

Cor. No. 1, M.S. No. 4722 Mid West lode bears S. $10^{\circ} 11' 30'' W.$, 116.62 ft. dist.

FEET	
	Thence S. 61° 08' 35" W.
122.	Center of local drainage, 4 ft. wide, course North.
1,196.25	Intersect the southeasterly side-line of the Black Eagle No. 6 lode, uns., at a point from which the NE. cor. thereof bears N. 9° 10' E., 779.50 ft. dist.
1,499.30	Cor. No. 2. Set an iron post, 2 ft. long, 1 ins. diam., 12 ins. in the ground and in a concrete base, with brass cap mkd. RAT-2-4724; from which Cor. No. 1, M.S. No. 4680 Chilito 11 lode, bears S. 40° 08' W., 28.58 ft. dist. Thence N. 10° 11' 30" E.
382.	Lode line; discovery point bears N. 61° 14' 35" E., 487.19 ft. dist.
498.18	A point selected for witness Cor. No. 3. Set an iron post, 2 ft. long, 1 ins. dia., 12 ins. in the ground and in a concrete base, with brass cap mkd. WC-RAT-3-4724.
755.	Center of dry wash, 10 ft. wide, course S. 30° W.
759.53	The true point for Cor. No. 3, established on line 3-4, M.S. No. 4722 Emerald lode. This corner falls in the bed of a dry wash where a permanent monument cannot be maintained. Set a temporary point for Cor. No. 3; from which The NE. cor. of the Black Eagle No. 6 lode, uns., bears N. 56° 36' 10" E., 305.68 ft. dist. Cor. No. 4, M.S. No. 4722 Emerald lode, identical with Cor. No. 3, M.S. No. 4722 Cobre Hierro lode, bears N. 62° 22' 46" E. 578.34 ft. dist. Cor. No. 2, M.S. No. 4680 Chilito 23 lode, bears N. 64° 45' 36" E., 714.70 ft. dist. Thence N. 61° 11' 57" E.
285.58	Intersect the southeasterly side-line of the Black Eagle No. 6 lode, uns., at a point from which the NE. cor. thereof bears N. 9° 10' E., 31.07 ft. dist.

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FEET	
578.30	Intersect line 4-1, M.S. No. 4722 Emerald lode, and line 3-4, M.S. No. 4722 Cobre Hierro lode, at a point from which Cors. Nos. 4 and 3 respectively bear S. 28° 25' 10" E., 11.91 ft. dist.
658.58	Intersect line 2-3, M.S. No. 4680 Chilito 23 lode, at a point from which Cor. No. 2 bears S. 79° 45' 30" E., 70.47 ft. dist.
749.39	Intersect line 1-2, M.S. No. 4680 Chilito 23 lode, at a point from which Cor. No. 2 bears S. 10° 17' 40" W., 57.20 ft. dist.
1,190.	Center of road, 15 ft. wide, bears N. 85° W. and S. 85° E.
1,498.11	The true point for Cor. No. 4, established at the intersection of line 2-3, M.S. No. 4722 Cobre Hierro lode, and line 1-2, M.S. No. 4722 Pirate lode. This corner falls in a drill-site access road, 12 ft. wide, bearing E. and W., where a permanent monument cannot be established. Set a temporary spike for Cor. No. 4; from which Cor. No. 2, M.S. No. 4722 Cobre Hierro lode, bears N. 60° 27' 26" E., 570.39 ft. dist. Cor. No. 1, M.S. No. 4722 Pirate lode, identical with Cor. No. 4, M.S. No. 4722 O'Carroll lode, bears N. 10° 11' 30" E., 324.31 ft. dist. Thence S. 10° 11' 30" W.
47.63	A point selected for witness Cor. No. 4, established on line 1-2, M.S. No. 4722 Pirate lode. Set an iron post, 2 ft. long, 1 ins. diam., 12 ins. in the ground, and in a concrete base, with brass cap mkd. WC - RAT-4-4724.
170.	Center of road, 15 ft. wide, bears N. 80° E. and West.
274.40	Intersect the true point for Cors. Nos. 2, M.S. No. 4722 Pirate and Mid West lodes.
294.16	Intersect Witness Cors. Nos. 2, M.S. No. 4722 Pirate and Mid West lodes.
379.	Lode line; discovery point bears S. 61° 14' 35" W., 1010 ft. dist.
593.	Center of arroyo, 10 ft. wide, course West.
757.64	Cor. No. 1, and place of beginning.

FEET	AREAS	Acres
	Total area, RATTLER lode	20.277
	Area in conflict with---	
	Black Eagle No. 6 lode, uns.	3.986
	M.S. No. 4680 Chilito 23 lode	0.046
	M.S. No. 4680 Chilito 23 lode, exclusive of its conflict with	
	(1) M.S. No. 4722 Cobre Hierro lode	0.027
	M.S. No. 4722 Emerald lode	0.079
	M.S. No. 4722 Emerald lode exclusive of its conflict with	
	(1) Black Eagle No. 6 lode, uns.	0.060
	M.S. No. 4722 Cobre Hierro lode	0.126
	LOCATION	
	This survey is located in the NW $\frac{1}{4}$ sec. 26 and NE $\frac{1}{4}$ sec. 27, T. 4 S., R. 15 E., Gila and Salt River Meridian, Gila County, Arizona.	
	The survey of the RATTLER lode is identical with its location as marked on the ground.	
	EXPENDITURES	
No. 1	The discovery point of the RATTLER lode is on the lode line 487.19 ft. from a point on line 2-3, 382 ft. from Cor. No. 2. Value, none.	
No. 2	A diamond drill hole bears S. 11° 32' W., 195 ft. from Cor. No. 4 RATTLER lode; 2 ins. diam., 1,182 ft. depth. Value, \$17,730.	
No. 3	A diamond drill hole bears S. 49° 18' W., 338 ft. from Cor. No. 4 RATTLER lode; 2 ins. diam., 178 ft. depth. Value, \$2,670.	
	OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
	Black Eagle No. 6 lode, uns.: The NW. and NE. cors. are substantial rock monuments; near the center of each monument was found an iron spike marking the point accepted herein for precise measurement. The SE. cor. could not be found, so a bearing of S. 9° 10' W. was assigned to the southeasterly side-line, based on a plat of survey of the Black Eagle group performed by Earl H. Sparks, Arizona Land Surveyor registrant No. 2942, and dated January 24, 1963. The N. end-line bears S. 73° 22' 15" E., 609.10 ft. dist.	

FEET

M.S. No. 4680 Chilito 11 lode: Cors. Nos. 1 and 4 are iron posts, 1 ins. diam. with brass caps, firmly set and properly mkd. The bearing of line 4-1 is shown as approved.

MS. No. 4680 Chilito 23 lode: Cors. Nos. 1 and 2 and the witness corner for Cor. No. 3 are iron posts, 1 ins. diam. with brass caps, firmly set and properly mkd. The bearing of lines 1-2 and the entire course of line 2-3 are shown as approved.

M.S. No. 4722 Pirate, Mid West, Cobre Hierro, and Emerald lodes: All corners and witness corners of these lodes are iron posts, 1 ins. diam., set in concrete foundations, and having brass caps, 2 ins. diam., firmly set and mkd. as described in the official record of M.S. No. 4722. All lines are shown as approved.

The line between the $\frac{1}{4}$ sec. cor. of secs. 26 and 27 and the cor. of secs. 22, 23, 26 and 27 bears N. $0^{\circ} 00' 10''$ E., 2633.96 ft. dist., instead of N. $0^{\circ} 01' W.$, 2640 ft., as approved, 1921 cadastral survey.

FIELD ASSISTANTS

Name	Capacity
Loren E. Bunney	Instrumentman
Norman W. Wisner	Chainman
Edward E. Zaragoza	Technical Asst.

Form 3400-8
(August 1967)
(formerly 4-686)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor Travis L. Gant	Date September 1, 1975
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I HEREBY CERTIFY That in pursuance of an order received from the Dept. of Interior, U.S. Bureau of Land Management, at Phoenix, Arizona, dated May 23, 1972, I have carefully executed the survey of the claim of Inspiration Consolidated Copper Company known as the (lode, placer, or mill site) RATTLER Lode situated in Sec. 26 and 27, Township 4 South, Range 15 East Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4724, 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 July 21, 1977

The foregoing field notes of mineral survey number 4724, in Sections 26 & 27, Range 15 E., Gila & Salt River Meridian, in the State of Arizona, surveyed unsurveyed Township 4 S., executed by Travis L. Gant, Mineral Surveyor, under order dated May 23, 1972, 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, Br. 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.

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