

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number	4729
State	Arizona
Land District	Arizona

FIELD NOTES

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

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

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

CHRISTMAS No. 1 lode

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
CHRISTMAS No. 1 lode	8/21/28	3/29/34 6/21/72

Mining district Banner			County Gila	
Section 20	Township 4 South	Range 16 East	Meridian Gila & Salt River	Survey under order dated August 1, 1972
Survey commenced February 1, 1973		Survey completed February 15, 1973	Name of Mineral Surveyor Travis L. Gant	

STATE OF TEXAS
COUNTY OF [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FEET

This survey was made with a W. & L. E. Gurley transit, No. 57289, equipped with horizontal limb $6\frac{1}{2}$ 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 all-purpose taping and alignment procedures where great distances were not involved. Distances greater than 500 feet were measured with electronic distance measuring equipment, i.e., the 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 in the normal operating temperature range. In all instances wherein the distance meter was used, vertical angles were measured with a Kern theodolite, Model DKM 2 AE, Ser. No. 145997, with automatic vertical indexing and microscopic angle-reading capabilities enabling the instrument man to read angles, either horizontal or vertical, to 1 sec. of arc. All three of these instruments were 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:

February 14, 1973, at Cor. No. 4 of the CHRISTMAS No. 1 lode, in latitude $33^{\circ} 03' 53''$ N., and longitude $110^{\circ} 44' 01''$ W., as determined by scaling from U.S.G.S. Quadrangle CHRISTMAS, dated 1971, 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 clockwise to the sun for a reference point, being Cor. No. 3 of the CHRISTMAS No. 1 lode, situated 622 feet northwesterly.

Mean time of observation, 105th
meridian, standard time = 10:13 a.m.

Declination of sun at mean
time of observation = $12^{\circ} 53' 19''$ S.

Mean observed vertical angle
to sun's center, corrected for
refraction and parallax = $32^{\circ} 29' 29''$

Mean horizontal angle from
reference point to sun's center,
turned clockwise and to the
right to sun's center = $146^{\circ} 53' 29''$

True bearing to reference point
= N. $9^{\circ} 43' 07''$ W.

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 ft., 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 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: Iron posts were set at each corner of the CHRISTMAS No. 1 lode. Each iron post consists of a 3/4-inch nominal inside diam. galvanized water pipe having a 1 ins. exterior diam.; each pipe has been placed in the ground in a foundation consisting of not less than $\frac{1}{2}$ cu. ft. of high early strength portland cement concrete mixed at the site. Brass caps have been securely attached and marked as described, using 1/8-in. steel dies for stamping. Alongside every corner monument I have erected a rock monument having a base two feet minimum diam., and a height of not less than two feet.

SURVEY NO. 4729

CHRISTMAS No. 1 Lode

At Cor. No. 1 of the CHRISTMAS No. 1 lode, identical with Cor. No. 2 Sur. No. 2175 Savannah lode, and Cor. No. 4 Sur. No. 2175 Sunnyslope lode, on line 1-2 Sur. No. 2175 Uranus lode.

Set an iron post, 2 ft. long, 1 ins. diam., 14 ins. in the ground, with brass cap mkd. CHR 1-1-4729, SAV-2-2175, and SUN-4-2175; from which

FEET	
	<p>The cor. of secs. 19, 20, 29 and 30, T. 4 S., R. 16 E., G. & S. R. M., bears S. 81° 53' 51" W., 994.08 ft. dist.; an iron post 2 ins. diam., 12 ins. above ground, firmly set, with brass cap marked as described in the official record.</p> <p>Cor. No. 2 Sur. No. 2175 Uranus lode bears N. 11° 02' 56" E., 225.75 ft. dist., re-monumented in this survey as hereinafter described.</p> <p style="text-align: center;">Thence N. 9° 43' 07" W.</p>
84	Road; bears N. 30° W. and S. 30° E.
311.00	Lode line; discovery point bears N. 64° 58' 27" E., 548 ft. dist.
618.88	Intersect line 4-1 Sur. No. 4443 CHRISTMAS No. 2 lode, at a point from which Cor. No. 4, identical with Cor. No. 1 Sur. No. 4443 INSPIRATION 1 lode, bears N. 64° 55' 43" E., 614.19 ft. dist.
621.84	<p>Cor. No. 2, identical with Cor. No. 3 Sur. No. 2175 Savannah lode.</p> <p>Set an iron post, 2 ft. long, 1 ins. diam., 16 ins. in the ground, with brass cap mkd. CHR. 1-2-4729 and SAV-3-2175; from which</p> <p style="text-align: center;">Cor. No. 4 Sur. No. 4443 CHRISTMAS No. 2 lode, identical with Cor. No. 1 Sur. No. 4443 INSPIRATION 1 lode, bears N. 65° 11' 44" E., 613.41 ft. dist.</p> <p style="text-align: center;">Thence N. 64° 58' 04" E.</p>
502	Center of Copper Gulch, 30 ft. wide, course S. 55° E.
614.07	Intersect line 3-4 Sur. No. 4443 CHRISTMAS No. 2 lode and line 1-2 Sur. No. 4443 INSPIRATION 1 lode at a point from which Cors. Nos. 4 and 1 respectively bear S. 9° 49' 01" E., 2.53 ft. dist.
1,445.66	Intersect line 4-1 Sur. No. 4443 INSPIRATION 1 lode at a point from which Cor. No. 1, identical with Cor. No. 4 Sur. No. 4443 CHRISTMAS No. 2 lode, bears S. 64° 48' 01" W., 832.26 ft. dist.
1,497.62	<p>Cor. No. 3.</p> <p>Set an iron post, 2 ft. long, 1 ins. diam., 15 ins. in the ground, with brass cap mkd. CHR 1-3-4729; from which</p>

FEET

	Cor. No. 1 Sur. No. 4443 INSPIRATION 1 lode, identical with Cor. No. 4 Sur. No. 4443 CHRISTMAS No. 2 lode, bears S. 64° 48' 36" W., 884.22 ft. dist. Thence S. 9° 43' 07" E.
311.00	Lode line; discovery point bears S. 64° 58' 27" W., 949.58 ft. dist.
622.00	Cor. No. 4. To the top surface of a brass-capped iron post already existing at Cor. No. 4, said post being 2 ins. diam., 18 ins. above ground and firmly set, I obliterate all existing markings and add the following to the brass cap surface: CHR 1-4-4729; from which Cor. No. 3 Sur. No. 2175 Uranus lode bears S. 53° 18' 34" W., 160.39 ft. dist. Thence S. 64° 58' 26" W.
106	Center of Copper Gulch, 30 ft. wide, course S. 50° E.
339.35	Intersect line 2-3 Sur. No. 2175 Uranus lode at a point from which Cor. No. 2 bears S. 75° 03' 51" W., 1041.41 ft. dist.
562	Road; bears northwesterly and southeasterly.
1,061	Road; bears N. 35° E. and S. 35° W.
1,482	Road; bears N. 20° W. and S. 20° E.
1,497.58	Cor. No. 1, and place of beginning.

SURVEY NO. 4729

AREAS	Acres
Total area, CHRISTMAS No. 1 lode	20.623
Area in conflict with --	
Sur. No. 2175 Uranus lode	2.426
Sur. No. 4443 CHRISTMAS No. 2 lode	0.037
Sur. No. 4443 INSPIRATION 1 lode	0.023

LOCATION

This survey is located in partially surveyed sec. 20, T. 4 S., R. 16 E., of the Gila and Salt River Meridian, Gila County, Arizona.

The survey of this lode claim is identical with the amended location as marked on the ground.

FEET	
EXPENDITURES	
No. 1	The discovery point of the CHRISTMAS No. 1 lode is on the lode line 548 feet from a point on line 1-2, 311 feet from Cor. No. 1. Value, none.
No. 2	A diamond drill hole bears S. 68° 46' E., 471 ft. from Cor. No. 2; 3½ ins. diam., 851 ft. depth. Value, \$7,659.00
No. 3	A diamond drill hole bears S. 15° 30' E., 154 ft. from Cor. No. 2; 3½ ins. diam., 900 ft. depth. Value, \$8,100.00
OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
<p>Sur. No. 2175 Uranus lode: Cor. No. 3 is a granite stone, firmly set and properly marked. Cors. Nos. 1 and 2 have been destroyed. Cor. No. 2 was re-monumented during the course of this survey; I set an iron post, 2 ft. long, 1 ins. diam., 12 ins. in the ground and in a concrete base, with brass cap mkd. URANUS-2-2175. Line 2-3 and that portion of line 1-2 extending from Cor. No. 2 Sur. No. 2175 Savannah lode, identical with Cor. No. 4 Sur. No. 2175 Sunnyslope lode and Cor. No. 1 of the CHRISTMAS No. 1 lode of this survey, to Cor. No. 1 are shown as calculated, resorting to the use of the instructions given in Sec. 380 of the 1947 Edition of the Manual of Surveying Instructions for the restoration of angle points of nonriparian meander lines. Refer to Exterior Boundary Restoration Traverse "A", appearing at the end of this discussion. Consequently, line 2-3 was found to be N. 75° 03' 51" E., 1226.54 ft. instead of N. 75° 06' E., 1225.7 ft., as approved, and the portion of line 1-2 described above was found to be N. 11° 02' 56" E., 225.75., instead of N. 11° 00' E., 225.5 ft., as approved.</p> <p>Sur. No. 2175 Savannah lode: All four cors. have been destroyed, along with their accessories. However, Cor. No. 4 Sur. No. 2175 California lode, identical with Cor. No. 1 Sur. No. 4443 CHRISTMAS No. 2 lode, was found, a granite stone, firmly set and properly marked; this corner is on line 3-4 of the Savannah lode and therefore become the westerly terminus of the aforementioned Traverse "A".</p>	

FEET

Consequently, line 2-3 was found to be N. $9^{\circ} 43' 07''$ W., 621.84 ft., instead of N. $9^{\circ} 39' 43''$ W., 622.3 ft., as approved. The portion of line 3-4 extending from Cor. No. 3 to Cor. No. 4 Sur. No. 2175 California lode, identical with Cor. No. 1 Sur. No. 4443 CHRISTMAS No. 2 lode, was found to be S. $64^{\circ} 44' 40''$ W., 889.10 ft., instead of S. $64^{\circ} 46' 40''$ W., 887.9 ft., as approved. Cors. Nos. 2 and 3, identical with Cors. Nos. 1 and 2, respectively, of this survey, were restored and remonumented as previously described.

Sur. No. 2175 Sunnyslope lode: Cor. No. 4 is on line 1-2 Sur. No. 2175 Uranus lode, and is identical with Cor. No. 2 Sur. No. 2175 Savannah lode, described above, and with Cor. No. 1 of the CHRISTMAS No. 1 lode of this survey. Cors. Nos. 3 and 5 have been destroyed. The bearing of line 3-4 is shown as approved; since a portion of line 4-5 coincides with a portion of line 1-2 Sur. No. 2175 Uranus lode, described above, the bearing of line 4-5 was found to be S. $11^{\circ} 02' 56''$ W., instead of S. $11^{\circ} 00' 00''$ W., as approved.

Sur. No. 4443 CHRISTMAS No. 2 lode: Cor. No. 1 is identical with Cor. No. 4 Sur. No. 2175 California lode, described above; Cors. Nos. 3 and 4 are iron posts, 2 ins. diam., 18 ins. above ground, firmly set, with brass caps properly marked. Line 3-4 was found to be S. $9^{\circ} 49' 01''$ E., 600.65 ft., instead of S. $9^{\circ} 37' 01''$ E., 600 ft., as approved; line 4-1 was found to be S. $64^{\circ} 55' 43''$ W., 1502.50 ft., instead of S. $64^{\circ} 48' 00''$ W., 1500 ft., as approved. From Cor. No. 1 the cor. of secs. 19, 20, 29, and 30 bears S. $11^{\circ} 21' 38''$ W., 381.15 ft., instead of S. $11^{\circ} 15' 00''$ W., 380.33 ft., as approved.

Sur. No. 4443 INSPIRATION 1 lode: Cors. Nos. 1 and 2 are identical with Cors. Nos. 4 and 3, respectively, of Sur. No. 4443 CHRISTMAS No. 2 lode, described above; Cor. No. 4 is an iron post, 2 ins. diam., 18 ins. above ground, firmly set and properly marked. Line 1-2 was found to be N. $9^{\circ} 49' 01''$ W., 600.65 ft., instead of N. $9^{\circ} 37' 01''$ W., 600 ft., as approved; line 4-1 was found to be S. $64^{\circ} 48' 01''$ W., 1498.31 ft., instead of S. $64^{\circ} 48' 00''$ W., 1500 ft., as approved. From Cor. No. 1 the cor. of secs. 19, 20, 29, and 30 bears S. $54^{\circ} 52' 13''$ W., 1755.83 ft., instead of S. $54^{\circ} 45' 00''$ W., 1752.87 ft., as approved.

FEET

In order to derive the best possible course information for the restoration of the exterior boundaries of the claim group embraced in Sur. No. 2175, specifically along the northerly boundaries of the Savannah and Uranus lodes of said Survey, it became necessary for me to apply those principles stated in the aforementioned Sec. 380 of the Manual. The positions of Cor. No. 4 Sur. No. 2175 California lode and Cor. No. 3 Sur. No. 2175 Uranus lode were known; the positions of the three required angle-points between these two known corners were calculated as described and the results are shown as Traverse "A".

Traverse "A" -- Beginning at the scribed stone marking Cor. No. 4 Sur. No. 2175 California lode, on line 3-4 Sur. No. 2175 Savannah lode; thence N. 64° 44' 40" E., 889.10 ft. to Cor. No. 3 Sur. No. 2175 Savannah lode; thence S. 9° 43' 07" E., 621.84 ft., to Cor. No. 2 Sur. No. 2175 Savannah lode, identical with Cor. No. 4 Sur. No. 2175 Sunnyslope lode, on line 1-2 Sur. No. 2175 Uranus lode; thence N. 11° 02' 56" E., 225.75 ft., to Cor. No. 2 Sur. No. 2175 Uranus lode; thence N. 75° 03' 51" E., 1226.54 ft. to the scribed stone marking Cor. No. 3 Sur. No. 2175 Uranus lode.

FIELD ASSISTANTS

<u>Name</u>	<u>Capacity</u>
Loren E. Bunney	Instrumentman
Edward E. Zaragoza	Assistant

FEET

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor Travis L. Gant	Date February 21, 1973
--	---------------------------

I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona, dated August 1, 1972, I have carefully executed the survey of the claim of Inspiration Consolidated Copper Company, known as the (lode, placer, or mill site) CHRISTMAS No. 1 lode, situated in Sec. 20, Township 4 South, Range 16 East, Gila & Salt River Meridian, in the State of Arizona.

This survey, designated as number 4729, 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) 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)
------------------------------	--

CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date October 2, 1973

The foregoing field notes of mineral survey number 4729, in Section 20, Range 16 E., Gila and Salt River Meridian, in the State of Arizona, surveyed unsurveyed Township 4 S., executed by Travis L. Gant, Mineral Surveyor, under order dated August 1, 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>Joe T. Fall</i> Joe T. Fall (Authorized Signature)	State Director (Title)
---	---------------------------

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)
------------------------	---------

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.

