

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number
4775

State
Arizona

Land District
Arizona

FIELD NOTES

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

Phelps Dodge Corporation
c/o Evans, Kitchel & Jenckes
363 N. 1st Avenue
Phoenix, Ariz. 85003

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Copper Hill Fraction No. 1	11/15/73	

Mining district Copper Basin			County Yavapai	
Section 20	Township 13 North	Range 3 West	Meridian Gila & Salt River	Survey under order dated January 18, 1974
Survey commenced 5-1-74		Survey completed 5-2-74	Name of Mineral Surveyor Robert Lenon	

1

Account Name
Address
City
State
Zip

Account Number
Branch Name
Branch Address
Branch City
Branch State
Branch Zip

Account Type
Interest Rate
Term
Maturity Date

Principal Amount
Monthly Payment
Start Date
End Date

Signature
Date
Print Name
Title
Company Name
Address
City
State
Zip

FEET	<p>This survey was made with a Lietz Precise transit No. 65718, with horizontal limb 5½ ins. diam., having two double opposite verniers reading to 20 seconds of arc, and full vertical circle 4½ ins. diam., having one double vernier reading to 1 minute of arc; the eyepiece has a removable colored glass 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.</p> <p>All azimuths in this record were referred to the meridian of the Copper Basin triangulation of the Phelps Dodge Corporation, set out on a local plane grid, which I checked by solar observations made on October 21, 1973, as described in my field notes in Min. Sur. No. 4756 and found to be correct.</p> <p>Cor. No. 1 of the Copper Hill Fraction No. 1 lode lies in latitude 34°29'30" N., and longitude 112°35'30" W.</p> <p>The lines were measured with a Hewlett-Packard distance-meter, and a Chicago steel tape 300 feet in length, graduated every foot, with the end feet graduated to tenths; which was compared with a Lufkin standard at the time of beginning the survey, and found to be correct.</p> <p>All lines and connections of this survey were run by direct methods.</p> <p>The magnetic declination observed at each corner of the survey gave a uniform value of 14°00' E.</p>
	Mineral Survey No. 4775
	COPPER HILL FRACTION NO. 1 LODGE
	<p>At Cor. No. 1 of the Copper Hill Fraction No. 1 lode of this survey.</p> <p>Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHF1-1-4775; from which</p> <p>The ¼ sec. cor. of Secs. 17 and 20, T. 13 N., R. 3 W., G.&S.R.M., bears N. 4°56'50" W., 2518.24 ft. dist., monumented with an iron post, 1 in. diam., 12 ins. above ground, firmly set, with brass cap properly mkd., stone mound surrounding.</p> <p>Cor. No. 2, M.S. No. 488 Carbuncle lode, identical with Cor. No. 5 M.S. No. 487 Cross lode, bears N. 20°27½' W., 247.10 ft. dist.</p>

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	<p>Cor. Nos. 2 and 4, M.S. No. 4452, Copper Hill and Copper Hill Extention No. 1 lodes, respectively, bears S. 17°43'05" W., 347.94 ft. dist.</p> <p style="text-align: center;">Thence S. 0°35' W.</p>
30.01	Intersect line 3-4, M.S. No. 4452 Manzanita lode, at a point from which Cor. No. 4 bears N. 89°25' W., 102.51 ft. dist.
87.	Mine road, 12 ft. wide, bears N. 57° E. and S. 57° W.
212.	Gulch, 2 ft. wide, course S. 52° E.
325.	Mine road, 12 ft. wide, bears N. 67° E. and S. 67° W.
534.	Gulch, 4 ft. wide, course S. 59° E.
812.	Gulch, 10 ft. wide, course S. 67° E.
1044.	Gulch, 2 ft. wide, course S. 60° E.
1185.	County road, 20 ft. wide, bears N. 70° W. and S. 70° E.
1200.00	<p>Cor. No. 2.</p> <p>Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHF1-2-4775; from which</p> <p style="text-align: center;">Cor. No. 3, M.S. No. 488 Carbuncle lode, bears S. 53°34'30" W., 157.01 ft. dist.</p> <p style="text-align: center;">Cor. No. 1, M.S. No. 4452 Copper Hill Extention No. 1 lode bears S. 24°18'10" W., 254.79 ft. dist.</p> <p style="text-align: center;">Thence N. 89°25' W.</p>
92.	Mine road, 12 ft. wide, bears North and South.
100.	Lode line; discovery point bears N. 0°35' E., 1010 ft. dist.
102.50	Intersect line 4-1, M.S. No. 4452 Copper Hill Extention No. 1 lode, at a point from which Cor. No. 1 bears S. 0°35' W., 233.26 ft. dist.
123.12	Intersect line 2-3, M.S. No. 488 Carbuncle lode, at a point from which Cor. No. 3 bears S. 1°57'40" W., 94.55 ft. dist.
170.	Road, 12 ft. wide, bears S. 65° W. and N. 65° E.
200.00	<p>Cor. No. 3.</p> <p>Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHF1-3-4775.</p>

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	Thence N. 0°35' E.
95.	County road, 20 ft. wide, bears N. 70° W. and S. 70° E.
760.	Gulch, 8 ft. wide, course S. 55° E.
850.	Mine road, 12 ft. wide, bears East and West.
863.43	Intersect line 3-4 Copper Hill Extention No. 1 lode, common with line 2-3 Copper Hill lode, both of M.S. No. 4452, at a point from which Cor. Nos. 4 and 2 respectively, bears N. 88°12' E., 97.58 ft. dist.
990.	Mine road, 12 ft. wide, bears N. 55° E. and S. 55° W.
1200.00	Cor. No. 4. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-CHF1-4-4775; from which Cor. No. 4, M.S. No. 4452 Manzanita lode, bears S. 72° 18'30" E., 102.00 ft. dist.
	Thence S. 89°25' E.
97.50	Intersect line 1-2 Copper Hill lode, common with line 4-1 Manzanita lode, both of M.S. No. 4452 at a point from which Cor. No. 4 of Manzanita lode bears S. 0°35' W., 30.01 ft. dist.
100.	Lode line; discovery point bears S. 0°35' W., 190 ft. dist.
105.74	Intersect line 2-3, M.S. No. 488 Carbuncle lode, at a point from which Cor. No. 2, identical with Cor. No. 5, M.S. 487 Cross lode, bears N. 1°57'40" E., 230.56 ft. dist.
150.	Gulch, 2 ft. wide, course S. 20° E.
200.00	Cor. No. 1, and place of beginning.
	AREAS
	<u>Acres</u>
	Total area, Copper Hill Fraction
	No. 1 lode - - - - - 5.510
	Area in conflict with
	M.S. No. 4452 Manzanita lode - - - - - 0.071
	M.S. No. 4452 Manzanita lode, exclusive of its conflict with M.S. No. 488 Carbuncle lode - - - - - 0.005
	M.S. No. 4452 Copper Hill lode - - - - - 0.749
	M.S. No. 4452 Copper Hill Extention No. 1 lode - - - - - 1.937
	M.S. No. 4452 Copper Hill Extention No. 1 lode, exclusive of its conflict with M.S. No. 488 Carbuncle lode - - 1.734
	M.S. No. 488 Carbuncle lode - - - - - 2.994

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	<p>M.S. No. 488 Carbuncle lode, exclusive of its conflict with: M.S. No. 4452 Copper Hill. Extention No. 1 lode - - - - - 2.791 M.S. No. 4452 Manzanita lode - - - - 2.928 Copper Hill Extention No. 1 lode and Manzanita lode, both of M.S. No. 4452 - - - - - 2.725</p> <p style="text-align: center;">LOCATION</p> <p>This survey is located in Sec. 20, T. 13 N., R. 3 W., G. & S.R.M., Arizona. The survey of this lode is identical with the location as marked on the ground.</p> <p style="text-align: center;">EXPENDITURES</p> <p>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:</p> <p>No. 1 The discovery point of the Copper Hill Fraction No. 1 lode, being on the lode line 190 ft. from the center of line 4-1. No value.</p> <p>No. 2 A percussion drill hole, 3 ins. diam. at the collar, 12 ft. deep, the center of which bears S. 47°33' W., 110.1 ft. from Cor. No. 1, Copper Hill Fraction No. 1 lode. Value, \$100.</p> <p>No. 3 A vertical diamond drill hole, No. 15-D; 3 ins. diam. at the collar, 1000 ft. deep, the center of which bears S. 20°45' W., 98.80 ft. from Cor. No. 1, Copper Hill Fraction No. 1 lode. Value, \$11,000.</p> <p style="text-align: center;">OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</p> <p>M.S. No. 487 Cross lode: Cor. No. 3 is an old squared native cedar post, 4 by 4 ins., 48 ins. high, firmly set and bearing faint scribe-marks, surrounded by a scattered mound of white quartz. Cor. Nos. 4 and 5 are mere foundations of monuments of white quartz, the former falling immediately East of a mine drill road; I set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, with an aluminum cap mkd. X-CROSS-5-487-CAR-2-488 in the center of the latter which falls 13 ft. south of the East-West fence instead of North of same as shown on the Plat of M.S. No. 4452. Line 3-5 was found to be S. 15°03' W., 594.0 ft. instead of S. 15°22' 30" W., 599.62 ft. as approved on M.S. No. 4452.</p> <p>M.S. No. 488 Carbuncle lode: Cor. No. 2 is identical with Cor. No. 5, M.S. No. 487 Cross lode, described above. Cor. No. 3 is a large</p>

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	<p>stone mound with a loose unmarked post, near its center. Line 2-3 was found to be S. 1°57' 40" W., 1525.57 ft. instead of S. 1°59'10" W., 1525.50 ft. as approved on M.S. No. 4452.</p> <p>M.S. No. 4452 Copper Hill lode: Cor. No. 2, identical with Cor. No. 4, M.S. No. 4452 Copper Hill Extention No. 1 lode, is a granite stone, firmly set and properly mkd., stone mound alongside. Lines 1-2 and 2-3 are shown as approved.</p> <p>M.S. No. 4452 Copper Hill Extention No. 1 lode: Cor. No. 4 is identical with Cor. No. 2, M.S. No. 4452 Copper Hill lode, described above. Cor. No. 1 is a granite stone, firmly set and properly mkd. on the flat just N.W. of an old house foundation. Line 4-1 was found to be S. 0°35' W., 1100.75 ft. instead of S. 0°35' W., 1100.95 ft. as approved.</p> <p>M.S. No. 4452 Manzanita lode: Cor. No. 4 is a granite stone, firmly set and properly mkd., stone mound alongside. Lines 3-4 and 4-1 are shown as approved.</p> <p style="text-align: center;">FIELD ASSISTANTS</p> <p>Stephen W. Dale - - - - - Rear Chairman Thomas S. Woods - - - - - Head Chairman</p>

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR


Name of Mineral Surveyor Robert Lenon	Date July 26, 1977
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I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona, dated January 18, 1974, I have carefully executed the survey of the claim of Phelps Dodge Corporation known as the ~~(lode, placer, vein, veinlet)~~ Copper Hill Fraction No. 1 situated in Section 20, Township 13 N., Range 3 W., Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4775, 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, placer, vein)~~ 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.

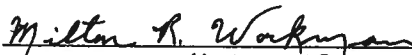
Patagonia, Arizona
(Location)


(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date August 1, 1977

The foregoing field notes of mineral survey number 4775, in Section 20, Range 3 W., Gila and Salt River Meridian, in the State of Arizona, surveyed unsurveyed Township 13 N., executed by Robert Lenon, Mineral Surveyor, under order dated January 18, 1974, 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.


(Authorized Signature)

Actg. Chief, Br. of Cadastral Survey
(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.

