

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4558

ARIZONA

Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

KENNECOTT COPPER CORPORATION

Known As The

A HUNCH NO. 9 LODE

MINERAL CREEK

Mining District,

PINAL

County,

ARIZONA

Sections 11 and 12, Township 3 S., Range 13 E.

Surveyed under order dated MARCH 20, 1961

by OSCAR T. SMITH

Mineral Surveyor.

Claim located May 11, 1953

Survey commenced April 1, 1962

Survey completed April 20, 1962

Address of claimant Ray, Arizona

DATES OF AMENDED LOCATIONS

August 18, 1958

SURVEY NO. 4558

1.

Class

This survey was made with a Keuffel & Esser Co. transit No. 131481, with horizontal limb 5 ins. diam., having two double opposite verniers, and full vertical circle 4 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:

April 1, 1962 at cor. No. 1 of the A Hunch No. 9 lode in latitude 33° 10' 50" N. and longitude 110° 59' 14" 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 600.00 ft. Southward S. E. to the sun.

Mean time of observation, 105th meridian standard time = 10^h30^m a.m.

Declination of sun at mean time of observation = 4° 33' 13"

Mean observed vertical angle to sun's center = 50° 35' 18"

Mean horizontal angle from reference point to sun's center = 47° 33' 40" S.E.

True bearing to reference point = S. 2° 10' 22" E.

The lines were measured with a Keuffel & Esser steel tape 500 ft. in length, graduated every foot for 500 ft., with the first and last foot graduated in 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.

The magnetic declination observed at each corner of the survey gave a uniform value of 13° 41' E.

SURVEY NO. 4558

A HUNCH NO. 9 LODE

Feet

At cor. No. 1 A Hunch No. 9 lode

Set an iron pipe 4 ft. long, 2 ins. diam., 2 ft. in the ground with brass cap mkd. AH9-1-4558; from which

The cor. of secs. 1, 2, 11 and 12, T. 3 S. R. 13 E., G. & S. R. M. bears N. 0° 12' E., 471.30 ft. dist., an iron post 1-1/2 ins. diam., with brass cap 16 ins. above ground, firmly set, mkd. and witnessed as described in the official records.

No local bearing objects or bearing trees available

Thence S. 2° 10' E.

Chains	Feet	Description	Feet
	300.00	Lode line; discovery cut bears S. 83° 12' W., 250.00 ft. dist.	250.00
	414.54	Intersect line 2-3 Sur. No. 3367 Copper Zone No. 8 lode at a point from which Cor. No. 2 bears S. 23° 29' 15" E., 460.95 ft. dist.	
	600.00	Cor. No. 2, identical with Cor. No. 2 Sur. No. 2465 Granite lode. Set an iron pipe 4 ft. long, 2 ins. diam., 2 ft. in the ground with brass cap mkd. AH9-2-4558-G-2-2465; from which Cor. No. 2 Sur. No. 3367 Copper Zone No. 8 lode bears S. 36° 40' 20" E., 296.02 ft. dist. Cor. No. 1 Sur. No. 3367 Copper Zone No. 8 lode, identical with Cor. No. 2 Sur. No. 3367 Copper Zone No. 7 lode bears S. 44° 45' W., 567.91 ft. dist.	
		No local bearing objects or bearing trees available	
		Thence S. 83° 12' W.	
	550.70	Intersect line 4-1 Sur. No. 3367 Copper Zone No. 8 lode, identical with line 2-3 Sur. No. 3367 Copper Zone No. 7 lode at a point from which Cor. No. 1 and Cor. No. 2 Sur. No. 3367 Copper Zone No. 8 and Copper Zone No. 7 lodes bear S. 23° 29' 15" E., 368.69 ft. dist.	
	981.34	Intersect line 4-1 Sur. No. 3367 Copper Zone No. 7 lode, identical with line 2-3 Sur. No. 3367 Copper Zone No. 6 lode at a point from which Cor. No. 1 and 2 Sur. No. 3367 Copper Zone No. 7 and Copper Zone No. 6 lodes bear S. 23° 29' 15" E., 438.49 ft. dist.	
	1500.00	Cor. No. 3, identical with Cor. No. 3 Sur. No. 2465 Granite lode. Set an iron pipe 4 ft. long, 2 ins. diam. 2 ft. in the ground, with brass cap mkd. AH9-3-4558-G-3-2465; from which Cor. No. 1 and 2 Sur. No. 3367 Copper Zone No. 7 and Copper Zone No. 6 lodes bear S. 63° 43' E., 769.40 ft. dist.	
		No local bearing objects or bearing trees available.	
		Thence N. 2° 10' W.	
	300.00	Lode line; discovery cut bears N. 83° 12' E., 1250.00 ft. dist.	1250.00
	600.00	Cor. No. 4. Set an iron pipe 4 ft. long 2 ins. diam. 2 ft. in the ground, with brass cap mkd. AH9-4-4558	
		No local bearing objects or bearing trees available.	
		Thence S. 2° 10' E.	

Chains Feet	
	No local bearing objects or bearing trees available.
	Thence N. 83°12' E.
290.90	Intersect line 2-3 Sur. No. 3367 Copper Zone No. 6 lode, identical with line 4-1 Sur. No. 3367 Copper Zone No. 7 lode at a point from which Cor. No. 1 and 2 Sur. No. 3367 Copper Zone No. 7 and Copper Zone No. 6 lodes bears S. 23°29'15" E., 1062.82 ft. dist.
721.54	Intersect line 2-3 Sur. No. 3367 Copper Zone No. 7 lode, identical with line 4-1 Sur. No. 3367 Copper Zone No. 8 lode at a point from which Cor. No. 1 and 2 Sur. No. 3367 Copper Zone No. 8 and Copper Zone No. 7 lodes bears S. 23°29'15" E., 993.02 ft. dist.
1342.65	Intersect line 2-3 Sur. No. 3367 Copper Zone No. 8 lode at a point from which Cor. No. 2 bears S. 23°29' 15" E., 892.31 ft. dist.
1500.00	Cor. No. 1, and the place of beginning.

AREAS		Acres
Total area, A Hunch No. 9 lode		20.594
Area in conflict with-		
Sur. No. 3367 Copper Zone No. 6 lode		5.557
Sur. No. 3367 Copper Zone No. 7 lode		5.912
Sur. No. 3367 Copper Zone No. 8 lode		8.378

LOCATION

This survey is located in the N. E. 1/4 of Sec. 11 and the N. W. 1/4 of Sec. 12, T. 3 S., R. 13 E., G. & S. R. M.

EXPENDITURES

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

- No. 1 The discovery cut of the A Hunch No. 9 lode, the face of which being the discovery point, is on the lode line 250 ft. from a point on line 1-2, 300 ft. from Cor. No. 1; 30 ft. wide, runs N. 80° E. 15 ft. to an 8 ft. face.
Value, \$800.00.
- No. 2 A diamond drill hole, the center of which bears S. 86° 20' W., 424.50 ft. from Cor. No. 2 A Hunch No. 9 lode 450 ft. deep.
Value, \$2,808.00.

OTHER IMPROVEMENTS

None.

The original plan for development and extraction of ore is to open pit mine.

Chains

The portion of the known ore body which is presently being developed is widely disseminated low-grade copper bearing ore which lies below the surface of the ground and extends downward to a considerable depth; the lateral boundaries of the ore body have not been defined and it is not necessary to prove its lateral extent by further diamond drilling, as an ore body of sufficient size and value has already been proved to warrant mining development leading to extraction of the ore.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 2465 Granite lode; Cors. Nos. 2 and 3 were rocks firmly set and properly mkd. replaced with iron pipe previously described; line 2-3 was found to be S. 83°12' W.; 1500:00 ft. instead of S. 83°04' W., 1500.00 ft. as approved.

Sur. No. 3367 Copper Zone No. 8 lode; Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass caps firmly set and properly mkd., all lines shown as approved.

Sur. No. 3367 Copper Zone No. 7 lode; Cor. No. 2 identical with Cor. No. 1 Sur. No. 3367 Copper Zone No. 8 lode; Cor. No. 3 identical with Cor. No. 4 Sur. No. 3367 Copper Zone No. 8 lode; Cors. Nos. 4 and 1 are iron pipe with brass cap firmly set and properly mkd., all lines shown as approved; line 2-3 is identical with line 4-1 Sur. No. 3367 Copper Zone No. 8 lode.

Sur. No. 3367 Copper Zone No. 6 lode; Cor. No. 2 identical with Cor. No. 1 Sur. No. 3367 Copper Zone No. 7 lode; Cor. No. 3 identical with Cor. No. 4 Sur. No. 3367 Copper Zone No. 7 lode; line 2-3 identical with line 4-1 Sur. No. 3367 Copper Zone No. 7 lode.

FIELD ASSISTANTS

Name

Capacity

Lee Cook

Chainman

OTHER IMPROVEMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

March 29, 1963

I, OSCAR T. SMITH

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Office of Cadastral Engineer, at Phoenix, Arizona

dated March 20, 1961, I have faithfully and correctly executed the survey of

the mining claim of KENNECOTT COPPER CORPORATION

known as the A HUNCH NO. 9 LODE
(Lode, placer, or mill site)

situate in Mineral Creek Mining District, Pinal County, Secs. 11 and 12

T. 3 S., R. 13 E., G & S. R. Meridian, Arizona, and
(State)

designated as Survey No. 4558, which is represented in the foregoing 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 expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by
(Lode or placer)

claimant(s) 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)

Oscar T. Smith
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, State Office
(Office)

Phoenix, Arizona July 3, 1963
(Place) (Date)

The foregoing field notes of mineral survey No. 4558, in Mineral Creek Mining District, Secs. 11 and 12, T. 3 S., R. 13 E., G. & S. R. Meridian,

Arizona, executed by Oscar T. Smith, Mineral Surveyor,
(State)

under order dated March 20, 1961, 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.

Fred J. Weiler
Fred J. Weiler

State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. is a true copy of the original field notes.

(Title)

