

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4556

ARIZONA

Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

KENNECOTT COPPER CORPORATION

Known As The

A HUNCH and A HUNCH No. 8

Mineral Creek Mining District,

Pinal County, Arizona

Section 12, Township 3 S., Range 13 E.

Surveyed under order dated March 20, 1961

by OSCAR T. SMITH  
Mineral Surveyor.

Claim located Oct. 2, 1952 & May 11, 1953

Survey commenced September 4, 1961

Survey completed September 8, 1961

Address of claimant Ray, Arizona

DATES OF AMENDED LOCATIONS

August 18 and 27, 1958

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SURVEY NO. 4556

1.

Chains

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 5 ins. diam., having one double vernier; 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:

September 7, 1961 at cor. No. 3 of the A Hunch No. 8 lode in latitude  $33^{\circ}10'26''$  N., and longitude  $110^{\circ}58'55''$  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. Northward N. W. to the sun

Mean time of observation, 105th meridian standard time =  $4^{\text{h}}21^{\text{m}}30^{\text{s}}$  P.M.

Declination of sun at mean time of observation =  $5^{\circ}52'52''$  N.

Mean observed vertical angle to sun's center =  $28^{\circ}37'42''$

Mean horizontal angle from reference point to sun's center =  $96^{\circ}39'$  N. W.

True bearing to reference point = N.  $5^{\circ}54'22''$  W.

The lines were measured with a Keuffel and 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 where the lines are accessible; the inaccessible lines were run by traverse methods.

The magnetic declination observed at each corner of this survey gave a uniform value of  $14^{\circ}30'$  East.

A HUNCH NO. 8

Feet

Beginning at cor. No. 1 of the A Hunch No. 8 lode, on line 1-2 A Hunch lode of this survey.

Corner falls in wash where permanent monument cannot be established; from which

The  $1/4$  sec. cor. of Secs. 11 and 12, T. 3 S., R. 13 E., G. & S. R. M., bears N.  $51^{\circ}11'20''$  W., 206.40 ft. dist., a 1 in. iron pipe with brass cap, 10 ins. above ground, firmly set, mkd and witnessed as described in the official record.

Chains Feet	
	<p>No local bearing objects or bearing trees available.</p> <p>Thence N. 75°40' E.</p>
52.36	Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground with brass cap, for witness corner No. 1, mkd. WC-AH8-1-4556.
600.11	Intersect line 3-4 A Hunch lode of this survey, and the west end line of the A Hunch No. 2 lode, unsurveyed, at a point from which the SW cor. bears S. 5°54' E., 259.44 ft. dist.
1500.00	<p>Cor. No. 2.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. AH8-2-4556.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 5°54' E.</p>
254.93	Intersect the south side line of the A Hunch No. 2 lode unsurveyed at a point from which the SW. cor. bears S. 75°23' W., 900.58 ft. dist.
300.00	Lode line; the discovery trench bears S. 75°40' W., 1000 ft. dist.
459.52	Intersect line 3-4 Sur. No. 4404 Diabase No. 1 lode at a point from which cor. No. 3 bears N. 89°04' W., 284.61 ft. dist.
460.45	Intersect line 4-1 Sur. No. 2465 Queen Lil lode at a point from which cor. No. 1 bears S. 83°07'30" W., 1483.99 ft. dist.
600.00	<p>Cor. No. 3.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. AH8-3-4556; from which</p> <p>Cor. No. 3 Sur. No. 4404 Diabase No. 1 lode bears N. 64°13'40" W., 332.04 ft. dist.</p> <p>Cor. No. 4 Sur. No. 2465 Queen Lil lode bears N. 1°13' W., 140.21 ft. dist.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence S. 75°40' W.</p>
310.68	Intersect line 2-3 Sur. No. 4404 Diabase No. 1 lode at a point from which cor. No. 3 bears N. 0°31' E., 221.29 ft. dist.
1433.60	Intersect line 1-2 Sur. No. 2465 Black Warrior lode and line 1-2 Sur. No. 2465 Queen Lil lode at a point from which cors. Nos. 2 and 1 bear N. 17°20'30" W.,

## SURVEY NO. 4556

3.

Chains= Feet	202.12 ft. dist. and 331.13 ft. dist.
1500.00	Cor. No. 4. Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. AH8-4-4556; from which Cor. No. 2 Sur. No. 2465 Black Warrior lode bears N. 1°07'20" E., 209.40 ft. dist. The SW. cor. of A Hunch No. 2 lode unsurveyed bears N. 48°16'20" E., 732.16 ft. dist. No local bearing objects or bearing trees available. Thence N. 5°54' W.
207.38	Intersect cor. No. 1 Sur. No. 2465 Calumet lode, established on line 2-3 Sur. No. 2465 Black Warrior lode at a point from which cor. No. 2 bears N. 83°04' E., 25.60 ft. dist.
300.00	Lode line; discovery trench bears N. 75°40' E., 500 ft. dist.
334.29	Intersect cor. No. 1 Sur. No. 2465 Queen Lil lode.
337.56	Intersect cor. No. 1, A Hunch lode of this survey.
600.00	Cor. No. 1, and the place of beginning.

## A HUNCH LODE

Beginning at cor. No. 1 of the A Hunch lode, identical with cor. No. 1 Sur. No. 3596 Bunker Hill lode, and on line 4-1 A Hunch No. 8 lode of this survey.

An iron pipe 1 in. diam., 16 ins. above ground, with brass cap mkd. BH-1-3596-AH-1-4556; from which

The 1/4 sec. cor. of secs. 11 and 12 bears N. 25°41'30" W., 433.22 ft. dist.

No local bearing objects or bearing trees available.

Thence N. 5°54' W.

262.44	Intersect cor. No. 1 A Hunch No. 8 lode of this survey.
1376.11	Intersect cor. No. 2 Sur. No. 2465 Calumet lode, established on line 4-1 Sur. No. 2465 Granite lode at a point from which cor. No. 1 bears N. 83°04' E., 54.98 ft. dist.
1500.00	Cor. No. 2, identical with cor. No. 2 Sur. No. 3596 Bunker Hill lode. An iron pipe 1-1/2 in. diam., 16 ins. above ground, with brass cap mkd. BH-2-3596-AH-2-4556; from which Cor. No. 1 Sur. No. 2465 Granite lode bears S. 30° 00' E., 134.63 ft. dist.

## SURVEY NO. 4556

Chains Feet	
	No local bearing objects or bearing trees available.
	Thence N. 75°23' E.
.53.22	Intersect line 1-2 Sur. No. 2465 Granite lode at a point from which cor. No. 1 bears S. 6°56' E., 130.98 ft. dist.
300.28	Lode line, discovery point bears S. 5°54' W., 1200.00 ft. dist.
600.56	Cor. No. 3; identical with cor. No. 3 Sur. No. 3596 Bunker Hill lode. An iron pipe 1-1/2 in. diam., 18 ins. above ground, with brass cap mkd. BH-3-3596-AH-3-4556.
	No local bearing objects or bearing trees available.
	Thence S. 5°54' E.
1240.56	Intersect line 1-2 A Hunch No. 8 lode of this survey.
1500.00	Cor. No. 4, identical with cor. No. 4 Sur. No. 3596 Bunker Hill lode and SW. cor. of the A Hunch No. 2 lode unsurveyed. An iron pipe 1 in. diam., 18 ins. above ground, with brass cap mkd. BH-4-3596-AH-4-4556.
	No local bearing objects or bearing trees available.
	Thence S. 75°23' W.
300.28	Lode line; discovery point bears N. 5°54' W., 300.00 ft. dist.
600.56	Cor. No. 1, and place of beginning.

AREAS		Acres
Total area, A Hunch No. 8		20.438
Area in conflict with-		
Sur. No. 2465 Queen Lil lode		7.818
Sur. No. 4404 Diabase No. 1 lode		1.218
Sur. No. 4404 Diabase No. 1 lode exclusive of its conflict with Sur. No. 2465 Queen Lil lode		.133
Sur. No. 2465 Black Warrior lode		.215
A Hunch lode of this survey		3.556
Sur. No. 3596 Bunker Hill lode		3.556
A Hunch No. 2 lode unsurveyed		5.256
Total area, A Hunch lode		20.441
Area in conflict with-		
Sur. No. 3596 Bunker Hill lode		20.441
Sur. No. 3596 Bunker Hill lode exclusive of its conflict with Sur. No. 2465 Granite lode		20.284
Sur. No. 2465 Granite lode		.157

Chain

## LOCATION

This survey is located in the west 1/2 of sec. 12, T. 3 S., R. 13 E., G. & S. R. M.

The survey of the A Hunch No. 8 and A Hunch lodes is identical with the respective location or amended location as marked on the ground.

## 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 trench of the A Hunch No. 8 lode, the NW end of which being the discovery point, is on the lode line 500 ft. from a point on line 4-1, 300 ft. from cor. No. 1, 16 ft. wide, 8 ft. deep, runs S. 64° E., 50 ft. to end.  
Value, \$175.00.

No. 1 A discovery cut of the A Hunch lode, the face of which being the discovery point is on the lode line 300.00 ft. from a point on line 4-1, 300.28 ft. from cor. No. 4, 60 ft. wide, 10 ft. face, runs N. 35° E., 18 ft. to face.  
Value, \$200.00

No. 2 A diamond drill hole, the center of which bears N. 24° 05' E., 417.0 ft. from cor. No. 1 of A Hunch lode; 1120 ft. deep.  
Value, \$8,309.00

An interest in common improvements described as follows:

A diamond drill hole, the center of which bears S. 66° 10' E., 168 ft. from cor. No. 1 A Hunch No. 8 lode, 706 ft. deep.  
Value of diamond drill hole, \$4,052.00  
Value of one-half interest, \$2,026.00

This improvement is for the development of A Hunch No. 8 lode, and A Hunch lode of this survey which are both the contiguous lode claims owned in common within the range of benefit of said drill hole.

## OTHER IMPROVEMENTS

None.

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Survey No. 2465 Queen Lil lode, cor. No. 1 destroyed, reset by owners with a 4x4 in. post 3 ft. above ground, firmly set and properly mkd. Cors. Nos. 2 and 4 are rocks firmly set and properly mkd. Line 1-2 was found to be S. 17°20'30" E., 595.18 ft. instead of S. 17°40' E., 600 ft. as approved. Line 4-1 was found to be S. 83°07'30" W., 1495.44 ft. instead of S. 83°04' W., 1500 ft. as approved.

Survey No. 4404 Diabase No. 1 lode: Cors. Nos. 2, 3

Claims

and 4 are iron pipe with brass caps firmly set and properly mkd. All lines shown as approved.

Sur. No. 2465 Black Warrior lode: Cors. Nos. 1 and 2 are rocks firmly set and properly mkd. Cor. No. 3 an iron pipe firmly set and properly mkd. Line 1-2 was found to be N. 17°20'30" W., 1041.15 ft. instead of N. 17°40' W., 1076.00 ft. as approved. Line 2-3 was found to be correct as approved.

Sur. No. 2465 Calumet lode: Cors. 1 and 2 are rocks firmly set and properly mkd. Line 1-2 was found to be N. 5°54' W., 1506.29 ft. instead of N. 5°58' W., 1500.21 ft. as approved.

Sur. No. 2465 Granite lode: Cor. No. 1 was destroyed. Cors. Nos. 2 and 4 are rocks firmly set and properly mkd. Line 1-2 and line 4-1 are shown as approved.

Sur. No. 3596 Bunker Hill lode: Cors. 1, 2, 3 and 4 are pipe with brass caps, firmly set and properly mkd. Line 1-2 was found to be N. 5°54' W., 1500.00 ft. instead of N. 6°01' W., 1500.00 ft. as approved. Line 2-3 was found to be N. 75°23' E., 600.56, instead of N. 75°16' E., 600.00 ft. as approved. Line 3-4 was found to be S. 5°54' E., 1500.00 ft., instead of S. 6°01' E., 1500.00 ft. as approved. Line 4-1 was found to be S. 75°23' W., 600.56 ft. instead of S. 75°16' W., 600.00 ft. as approved.

FIELD ASSISTANTS

Name	Capacity
Lee Cook	Chainman

OTHER IMPROVEMENTS

None.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTARY DATA

Survey No. 2485 Green Hill lode, cor. No. 1 destroyed, reset by owners with a 4x4 in. post 3 ft. above ground, firmly set and properly mkd. Cors. Nos. 2 and 3 are rocks firmly set and properly mkd. Line 1-2 was found to be S. 17°20'30" W., 555.18 ft. instead of S. 17°40' W., 500 ft. as approved. Line 3-1 was found to be S. 63°07'30" W., 1493.44 ft. instead of S. 63°04' W., 1500 ft. as approved.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

August 7, 19 64

I, OSCAR T. SMITH  
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the office  
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 and A Hunch No. 8  
(Lode, placer, or mill site)  
situate in Mineral Creek Mining District, Pinal County, Sec. 12  
T. 3 S., R. 13 E., G. & S. R. Meridian, Arizona, and  
(State)  
designated as Survey No. 4556, 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  
Arizona State Office

(Office)

Phoenix, Arizona

October 1, 19 64

(Place)

(Date)

The foregoing field notes of mineral survey No. 4556, in Section 12  
T. 3 South, R. 13 East, Gila & Salt River 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.

Raymond C. Cleghorn  
Raymond C. Cleghorn

Acting 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)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
OFFICE OF THE SUPERVISOR

August 7 1951

OSCAR T. SMITH

Professional Engineer  
Phoenix, Arizona

March 20, 1951  
Barnes & Sperry Corporation

A. Smith and A. Smith, Inc.  
Phoenix, Arizona

11 E. 2nd St.  
Phoenix, Arizona

Dear Sirs:

Reference is made to your letter of March 20, 1951, regarding the proposed construction of a building on the above described property.

The proposed construction is in accordance with the requirements of the zoning ordinance in effect in the City of Phoenix, Arizona.

It is noted that the proposed construction is in accordance with the requirements of the zoning ordinance in effect in the City of Phoenix, Arizona.

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