

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4562

ARIZONA

Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

KENNECOTT COPPER CORPORATION

Known As The

Lava No. 2, Lava No. 3, Contact No. 3, Contact No. 6, Contact No. 9, Contact No. 12 lodes

Mineral Creek Mining District,

Pinal County, Arizona

Sections 11, 12, 13 & 14 Township 3 S., Range 13 E.

Surveyed under order dated March 20, 1961 and
Amended December 30, 1963

by OSCAR T. SMITH
Mineral Surveyor.

Claim located December 21 and 22, 1955

Survey commenced April 21, 1961

Survey completed December 30, 1963

Address of claimant Ray, Arizona

DATES OF AMENDED LOCATIONS

Contact No. 9 Amended November 29, 1963

OFFICE OF THE
DIRECTOR OF THE
BUREAU OF LAND MANAGEMENT

U.S. DEPARTMENT OF THE INTERIOR

WASHINGTON, D.C.

BUREAU MEMO

TO: SAC, [illegible]

FROM: [illegible]

RE: [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURVEY No. 4562

CHANS

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 21, 1961 at cor. No. 1 of the Contact No. 6 lode in latitude $33^{\circ}10'03''$ N., and longitude $110^{\circ}58'42''$ 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. eastward S. W. to the sun.

Mean time of observation, 105th
meridian standard time = 3:56 P. M.

Declination of sun at mean time
of observation = $12^{\circ}02'37''$ N.

Mean observed vertical angle to
sun's center = $36^{\circ}46'20''$

Mean horizontal angle from reference
point to sun's center = $168^{\circ}49'50''$ S. E.

True bearing to reference
point = $S. 89^{\circ}02'58''$ E.

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 the survey gave a uniform value of $13^{\circ}41'$ E.

SURVEY NO. 4562

Feet CONTACT NO. 12. LODE
At cor. No. 1 of the Contact No. 12 lode, identical with cor. No. 2 Sur. No. 4404 Diabase No. 13 lode, and on line 4-1. Sur. No. 4404. Diabase No. 15 lode
Set an iron pipe 1-1/2 in. diam., 18 ins. above ground, with brass cap mkd. D13-2-4404-C12-1-4562; from which

Chains Feet	
	The 1/4 sec. cor. of Secs. 13 and 24, T. 3 S., R. 13 E., G. & S. R. M., bears S. 76°08'50" E., 1419.58 ft. dist., a 1 in. iron pipe with a brass cap, 12 ins. above ground, firmly set, marked and witnessed as described in the official record.
	No local bearing objects or bearing trees available
	Thence N. 89°04' W.
200.00	Lode line; discovery point bears N. 0°53' E., 1287.40 ft. dist.
300.00	Intersect cor. No. 4 Sur. No. 4404 Diabase No. 15 lode.
400.00	Cor. No. 2.
	Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. C12-2-4562.
	No local bearing objects or bearing trees available
	Thence N. 0°53' E.
959.01	Intersect line 1-2 Sur. No. 1244 Vermont lode identical with line 4-1 Sur. No. 1244 Cairo lode, at a point from which cors. Nos. 2 and 4 bears N. 78°50' E. 249.02 ft. dist.
1393.40	Cor. No. 3 on line 1-2 Contact No. 9/ of this survey. Set an iron pipe 3 ft. long, 1-1/2 in. diam. 18 ins. in the ground, with brass cap mkd. C12-3-4562; from which
	The cors. Nos. 4 and 2 Sur. No. 1244 Cairo and Vermont lodes bear S. 31°36'30" E., 453.37 ft. dist.
	No local bearing objects or bearing trees available
	Thence S. 89°04' E.
162.64	Intersect line 3-4 Sur. No. 1244 Cairo lode at a point from which cor. No. 4, identical with cor. No. 2 Sur. No. 1244 Vermont lode bears S. 11°04' E., 390.73 ft. dist.
200.00	Lode line, discovery point bears S. 0°53' W. 106.00 ft. dist.
400.00	Cor. No. 4, identical with cor. No. 1 Contact No. 9 lode of this survey; cor. Nos. 2 and 3 Sur. No. 4404, Diabase No. 10 and Diabase No. 13 lodes.
	An iron pipe 1-1/2 in. diam. 18 ins. above ground, with brass cap mkd. C12-4-C9-1-4562-D10-2-D13-3-4404.
	No local bearing objects or bearing trees available
	Thence S. 0°53' W.

SURVEY NO. 4562

3.

Chains Feet	
1168.67	Intersect line 2-3 Survey No. 1244 Vermont lode at a point from which cor. No. 2, identical with cor. No. 4 Sur. No. 1244 Cairo lode bears N. 10°22' W., 802.02 ft. dist.
1393.40	Cor. No. 1; and place of beginning.
CONTACT NO. 9 LODE	
Beginning at cor. No. 1 of the Contact No. 9 lode, identical with cor. No. 4 Contact No. 12 lode of this survey, cor. No. 2 and cor. No. 3 Survey No. 4404 Diabase No. 10 and Diabase No. 13 lodes, from which the 1/4 sec. cor. of secs. 13 and 24 bears S. 38°03' 20" E., 2201.05 ft. dist previously described.	
Thence N. 89°04' W.	
237.36	Intersect line 3-4 Sur. No. 1244 Cairo lode at a point from which cor. No. 3 bears N. 11°04' W., 1113.27 ft. dist.
300.00	Lode line; discovery point bears N. 0°39'30" E. 327.00 ft. dist.
400.00	Intersect cor. No. 3 Contact No. 12 lode of this survey.
600.00	Cor. No. 2. Set an iron pipe 3 ft. long, 1-1/2 ins. diam. 18 ins. in the ground, with brass cap mkd. C9-2-4562.
No local bearing objects or bearing trees available	
Thence N. 0°39'30" E.	
1060.65	Intersect line 3-4 Sur. No. 2466 Fraction lode and line 2-3 Sur. No. 1244 Cairo lode at a point from which cor. No. 3 bears N. 79°12' E., 42.11 ft. dist., and cor. No. 3 bears N. 79°12' E., 139.18 ft. dist.
1127.14	Intersect line 1-2 Sur. No. 2466 Copper Contact lode at a point from which cor. No. 1 bears S. 34°43' E., 416.09 ft. dist.
1266.14	Intersect line 2-3 Sur. No. 2466 Fraction lode at a point from which cor. No. 3 bears S. 11°10' E., 201.39 ft. dist.
1462.55	Intersect line 4-1 Sur. No. 3381 Fraction lode at a point from which cor. No. 4 bears S. 87°24'50" E., 399.51 ft. dist.
1498.34	Cor. No. 3, identical with cor. No. 4 Contact No. 6 lode of this survey. Set an iron pipe 3 ft. long 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. C9-3-C6-4-4562; from which

	<p>Cor. No. 1 Sur. No. 2466 Copper Contact lode bears S. $18^{\circ}04'10''$ E., 750.19 ft. dist.</p> <p>Cor. No. 3 Sur. No. 1244 Cairo lode bears S. $17^{\circ}44'30''$ E., 432.13 ft. dist.</p> <p>Cor. No. 3 Sur. No. 2466 Fraction lode bears S. $4^{\circ}49'50''$ E., 431.30 ft. dist.</p> <p>Cor. No. 3 Sur. No. 2466 Copper Contact lode bears N. $12^{\circ}10'$ E., 527.53 ft. dist.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. $89^{\circ}04'$ E.</p>
300.00	Lode line; discovery point bears S. $0^{\circ}39'30''$ W., 1171.84 ft. dist.
400.99	Intersect line 3-4 Sur. No. 3381 Fraction lode at a point from which cor. No. 4 bears S. $2^{\circ}13'20''$ W., 47.35 ft. dist.
473.00	Intersect line 3-4 Sur. No. 2466 Copper Contact lode at a point from which cor. No. 4 bears S. $34^{\circ}39'$ E., 443.78 ft. dist.
600.00	<p>Cor. No. 4, identical with cor. No. 3 Contact No. 6 lode of this survey, and cors. Nos. 3 and 3 Sur. No. 4404 Diabase No. 7 and Diabase No. 10 lodes.</p> <p>An iron pipe 1-1/2 ins. diam. 18 ins. above ground, with brass cap mkd. C9-4-C6-3-4562-D7-3-D10-3-4404, from which cor. No. 4 Sur. No. 3381 Fraction lode bears S. $77^{\circ}39'$ W., 206.00 ft. dist.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence S. $0^{\circ}39'30''$ W.</p>
178.71	Intersect line 3-4 Sur. No. 2466 Copper Contact lode at a point from which cor. No. 4 bears S. $34^{\circ}39'$ E., 224.04 ft. dist.
453.25	Intersect line 4-1 Sur. No. 2466 Copper Contact lode at a point from which cor. No. 1 bears S. $55^{\circ}21'$ W. 440.07 ft. dist.
1498.34	Cor. No. 1, and place of beginning.
	<p style="text-align: center;">CONTACT NO. 6 LODE</p> <p>Beginning at cor. No. 1 Contact No. 6 lode</p> <p>Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. C6-1-4562; from which</p> <p>The cor. of Secs. 11, 12 13 and 14, T. 3 S., R. 13 E.; G. & S. R. M.; bears N. $52^{\circ}39'50''$ W., 928.21 ft. dist.</p>

SURVEY NO. 4562

5.

Feet	Chains
	A 1 in. iron pipe, with brass cap, 12 ins. above ground firmly set, mkd. and witnessed as described in the official record
	Cor.. No. 4 Sur.. No.. 2466 Little Frank lode bears S. 26°12'10" E., 717.75 ft. dist.
	Cor. No. 5 Sur.. No.. 2572A Copper Carbonate lode bears S. 10°00'20" E., 471.39 ft. dist.
	No local bearing objects or bearing trees available
	Thence S. 89°04' E.
100.00	Cor. No. 1 Contact No. 3 lode of this survey.
240.18	Intersect line 3-4 Lava No. 2 lode of this survey.
300.00	Lode line; discovery point bears S. 1°19' W., 401.00 ft. dist.
457.62	Intersect line 4-5 Sur. No. 2572A Copper Carbonate lode at a point from which cor. No. 5 bears S. 39°26' W., 591.40 ft. dist.
600.00	Cor. No. 2, identical with cor. No. 4 Contact No. 3 lode of this survey, and cors. Nos. 2 and 4 Sur. No. 4404 Diabase No. 4 and Diabase No. 7 lodes.
	An iron pipe 1-1/2 in. diam. 18 ins. above ground, with brass cap mkd. C6-2-C3-4-4562-D4-2-D7-4-4404, from which
	Cor.. No. 3 Sur. No. 3381 Fraction lode bears S. 80° 10' W., 166.67 ft. dist.
	Thence S. 1°19' W.
1477.78	Cor. No. 3, identical with cor. No. 4 Contact No. 9 lode of this survey, and cor. Nos. 3 and 3 Sur. No. 4404 Diabase No. 7 and Diabase No. 10 lodes.
	Thence N.. 89°04' W.
127.00	Intersect line 3-4 Sur.. No. 2466 Copper Contact lode at a point from which Cor. No. 3 bears N. 34°39' W., 636.22 ft. dist.
199.18	Intersect line 3-4 Sur.. No. 3381 Fraction lode at a point from which cor.. No. 3 bears N. 2°43'20" W., 1447.31 ft. dist.
300.00	Lode line,; discovery point bears N. 1°19' E., 1076.78 ft. dist.
600.00	Cor. No. 4, identical with cor. No. 3 Contact No. 9 lode of this survey.
	Thence N.. 1°19' E.
380.00	Intersect line 4-1 Sur. No. 2466 Little Frank lode, at a point from which cor. No. 4 bears N. 37°02' E., 568.10 ft. dist.
446.04	Intersect line 2-3 Sur. No. 2466 Copper Contact lode at a point from which cor. No. 3 bears N. 55°21' E., 122.69 ft. dist.

Chains Feet	
894.15	Intersect line 5-1 Sur. No. 2572A Copper Carbonate at a point from which cor. No. 5 bears N. 38°38' E. 152.66 ft. dist.
1081.75	Intersect line 3-4 Sur. No. 2466 Little Frank lode at a point from which cor. No. 4 bears S. 52°44' E., 409.66 ft. dist.
1218.97	Intersect line 3-4 Lava No. 3 lode of this survey.
1423.87	Intersect line 2-3. Lava No. 3 lode of this survey, identical with line 4-1 Lava No. 2 lode of this survey.
1460.48	Intersect line 2-3 Sur. No. 3381 Fraction lode at a point from which cor. No. 3 bears S. 87°15' E., 436.59 ft. dist.
1477.78	Cor. No. 1, and place of beginning.
	CONTACT NO. 3
	Beginning at cor. No. 1 of the Contact No. 3 lode, on line 1-2 of the Contact No. 6 lode of this survey.
	Set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground, with brass cap mkd. C3-1-4562; from which
	The cor. of secs. 11, 12, 13 and 14, T. 3 S., R. 13 E., G. & S. R. M. bears N. 56°01'50" W., 1010.45 ft. dist., previously described.
	No local bearing objects or bearing trees available
	Thence N. 0°51'40" E.
461.36	Intersect line 5-1 Sur. No. 3381 Prospect lode at a point from which cor. No. 5 bears N. 43°29'10" E., 249.44 ft. dist.
508.87	Intersect line 2-3 Sur. No. 2572A Copper Carbonate lode at a point from which cor. No. 3 bears N. 39°27' E., 537.28 ft. dist.
708.31	Intersect line 4-1 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 4 bears S. 87°41' E., 230.25 ft. dist.
891.89	Intersect line 3-4 Sur. No. 3381 Prospect lode at a point from which Cor. No. 4 bears S. 37°26'15" E., 240.78 ft. dist.
1261.78	Intersect line 1-2 Sur. No. 2572A Sleeper lode at a point from which cor. No. 1 bears S. 61°33'10" E., 386.09 ft. dist.
1319.35	Intersect line 2-3 Lava No. 2 lode of this survey.
1495.74	Cor. No. 2.

SURVEY NO. 4562

Chains	
	Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C3-2-4562; from which Cor. No. 1 Sur. No. 2572A Sleeper lode bears S. 38° 48' E., 536.16 ft. dist.
	Cor. No. 3 Sur. No. 2572A Copper Carbonate lode bears S. 29° 43' 40" E., 658.55 ft. dist.
	Cor. No. 4 Sur. No. 2572A Copper Nugget lode bears S. 15° 19' 10" E., 826.00 ft. dist.
	No local bearing objects or bearing trees available Thence S. 89° 04' E.
244.56	Intersect line 3-4 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 4 bears S. 1° 54' W., 793.11 ft. dist.
250:00	Lode line; discovery point bears S. 0° 51' 40" W., 475.00 ft. dist.
500.00	Cor. No. 3, identical with cors. Nos. 2 and 3 Sur. No. 4404 Diabase No. 1 and Diabase No. 4 lodes. An iron pipe 1-1/2 ins. diam., 18 ins. above ground, with brass cap mkd. C3-3-4562-D1-2-D4-3-4404. Thence S. 0° 51' 40" W.
118.74	Intersect line 6-1 Sur. No. 2572A Sleeper lode at a point from which cor. No. 1 bears S. 29° 08' W., 333.12 ft. dist.
696.20	Intersect line 3-4 Sur. No. 2572A Copper Carbonate lode at a point from which Cor. No. 3 bears N. 50° 54' W., 209.91 ft. dist.
1317.03	Intersect line 4-5 Sur. No. 2572A Copper Carbonate lode at a point from which Cor. No. 5 bears S. 39° 26' W., 819.75 ft. dist.
1495.74	Cor. No. 4, identical with cors. Nos. 2 and 4 Sur. No. 4404 Diabase No. 4 and Diabase No. 7 lodes and cor. No. 2 Contact No. 6 lode of this survey. Thence N. 89° 04' W.
142.38	Intersect line 4-5 Sur. No. 2572A Copper Carbonate lode at a point from which Cor. No. 5 bears S. 39° 26' W., 591.40 ft. dist.
250.00	Lode line; discovery point bears N. 0° 51' 40" E., 1020.74 ft. dist.
359.82	Intersect line 3-4 Lava No. 2 lode of this survey.
500:00	Cor. No. 1, and the place of beginning.

Chains	LAVA NO. 2 LODE
	Beginning at cor. No. 1 of the Lava No. 2 lode, identical with cor. No. 2 of the Lava No. 3 lode of this survey and on line 5-1 Sur. No. 2572A Sweepstake lode.
	Set an iron pipe, 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. L2-1-L3-2-4562; from which
	The Cor. of secs. 11, 12, 13 and 14 bears S. 28°56' 40" W., 714.67 ft. dist., previously described.
	Cor. No. 1 Sur. No. 2572A Copper Nugget lode bears S. 15°56'20" E., 485.48 ft. dist.
	No local bearing objects or bearing trees available
	Thence N. 44°00' E.
67.75	Intersect line 4-1 Sur. No. 4557 Canyon No. 1 lode, unapproved, at a point from which cor. No. 1 bears S. 18°28' E., 293.33 ft. dist.
222.59	Intersect line 3-4 Sur. No. 3381 Prospect lode, at a point from which cor. No. 4 bears S. 37°26'15" E., 818.00 ft. dist.
224.83	Intersect line 1-2 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 1 bears S. 2°05' W., 628.96 ft. dist.
300.00	Lode line; discovery point bears S. 17°28' E., 856.00 ft. dist.
600.00	Cor. No. 2, on line 5-1 Sur. No. 2572A Sweepstake lode. Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. L2-2-4562; from which
	Cor. No. 2 Sur. No. 2572A Sleeper lode bears S. 19° 49'10" W., 274.68 ft. dist.
	No local bearing objects or bearing trees available.
	Thence S. 17°28' E.
61.09	Intersect line 2-3 Sur. No. 2572A Sleeper lode, at a point from which cor. No. 2 bears S. 29°07' W., 229.08 ft. dist.
317.01	Intersect line 1-2 Contact No. 3 lode of this survey.
390.33	Intersect line 1-2 Sur. No. 2572A Sleeper lode at a point from which cor. No. 2 bears N. 61°33'10" W., 239.17 ft. dist.
920.34	Intersect line 2-3 Sur. No. 2572A Copper Carbonate lode at a point from which Cor. No. 3 bears N. 39°27' E., 233.11 ft. dist.

SURVEY NO. 4562

9.

Chains	Feet	
	966.17	Intersect line 4-1 Sur. No. 2572A Copper Nugget lode at a point from which Cor. No. 4 bears S. 87°41' E., 26.03 ft. dist.
	1460.43	Cor. No. 3. Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. L2-3-4562; from which Cor. No. 4 Sur. No. 3381 Prospect lode bears N. 23° 17'40" W., 514.00 ft. dist. Cor. No. 5 Sur. No. 3381 Prospect lode bears N. 24° 01'30" W., 453.04 ft. dist. No local bearing objects or bearing trees available. Thence S. 44°00' W.
	300.00	Lode line; discovery point bears N. 17°28' W., 604.43 ft. dist.
	320.83	Intersect line 4-1 and 1-2 Contact No. 3 and Contact No. 6 lodes of this survey.
	353.95	Intersect line 2-3 Sur. No. 3381 Fraction lode at a point from which cor. No. 2 bears N. 87°15' W., 276.38 ft. dist.
	600.00	Cor. No. 4, identical with cor. No. 3 Lava No. 3 lode of this survey. Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. L2-4-L3-3-4562; from which Cor. No. 3 Sur. No. 2466 Little Frank lode bears S. 69°41' W., 219.93 ft. dist. Cor. No. 4 Sur. No. 3381 Wedge No. 2 lode bears S. 69°39' W., 126.42 ft. dist. Cor. No. 1 Sur. No. 3381 Prospect lode bears N. 34°28'10" W., 422.56 ft. dist. Cor. No. 2 Sur. No. 3381 Fraction lode bears N. 28° 55'40" W., 217.37 ft. dist. No local bearing objects or bearing trees available Thence N. 17°28' W.
	158.12	Intersect line 4-1 Contact No. 6 lode of this survey.
	197.13	Intersect line 2-3 Sur. No. 3381 Fraction lode at a point from which cor. No. 2 bears N. 87°15' W., 46.03 ft. dist.

Chain Feet	
472.72	Intersect line 5-1 Sur. No. 3381 Prospect lode at a point from which Cor. No. 5 bears N. $43^{\circ}29'10''$ E., 543.68 ft. dist.
483.28	Intersect line 2-3 Sur. No. 2572A Copper Carbonate lode at a point from which Cor. No. 2 bears S. $39^{\circ}27'$ W., 611.08 ft. dist.
970.47	Intersect line 4-1 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 1 bears N. $87^{\circ}41'$ W., 13.75 ft. dist.
1011.57	Intersect line 1-2 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 1 bears S. $2^{\circ}05'$ W., 38.68 ft. dist.
1198.48	Intersect line 1-2, Unapproved, Sur. No. 4557 Canyon No. 1 lode at a point from which cor. No. 1 bears N. $71^{\circ}37'$ E., 64.65 ft. dist.
1460.43	Cor. No. 1, and place of beginning.
LAVA NO. 3 LODE	
	Beginning at cor. No. 1 of the Lava No. 3 lode on line 5-1 Sur. No. 2572A Sweepstake lode and on line 3-4 Sur. No. 1581 Satellite lode.
	Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. L3-14562; from which
	The cor. of secs. 11, 12, 13 and 14, T. 3 S., R. 13 E., G. & S. R. M., bears S. $20^{\circ}06'$ E., 206.37 ft. dist., previously described.
	No local bearing objects or bearing trees available
	Thence N. $44^{\circ}00'$ E.
34.98	Intersect cor. No. 5 Sur. No. 3381 Satellite No. 2 lode, line 1-2 unapproved Sur. No. 4557 Canyon No. 1 lode at a point from which cor. No. 1 bears N. $71^{\circ}37'$ E., 561.10 ft. dist., and on line 5-1 Sur. No. 2572A Sweepstake lode.
300.00	Lode line; discovery point bears S. $17^{\circ}28'$ E., 187.00 ft. dist.
452.83	Intersect line 3-4 and 1-2 Sur. No. 3381 Wedge No. 2 and Prospect lodes at a point from which cor. No. 4 bears S. $17^{\circ}48'$ E., 1396.25 ft. dist. and cor. No. 1 bears S. $17^{\circ}48'$ E., 986.05 ft. dist.
600.00	Cor. No. 2, identical with cor. No. 1 Lava No. 2 lode of this survey, and on line 5-1 Sur. No. 2572A Sweepstake lode.
	Thence S. $17^{\circ}28'$ E.
261.95	Intersect line 1-2 unapproved Sur. No. 4557 Canyon No. 1 lode at a point from which Cor. No. 2 bears S. $71^{\circ}37'$ W., 1435.35 ft. dist.

SURVEY NO. 4562

11.

Chains= Feet	
448.86	Intersect line 1-2 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 1 bears S. 2°05' W., 38.68 ft. dist.
489.96	Intersect line 4-1 Sur. No. 2572A Copper Nugget lode at a point from which cor. No. 1 bears N. 87°41' W., 13.75 ft. dist.
977.15	Intersect line 2-3 Sur. No. 2572A Copper Carbonate lode at a point from which cor. No. 2 bears S. 39°27' W., 611.08 ft. dist.
987.71	Intersect line 5-1 Sur. No. 3381 Prospect lode at a point from which cor. No. 1 bears S. 43°29' 10" W., 141.34 ft. dist.
1263.30	Intersect line 2-3 Sur. No. 3381 Fraction lode at a point from which cor. No. 2 bears N. 87°15' W., 46.03 ft. dist.
1302.31	Intersect line 4-1 Contact No. 6 lode of this survey.
1460.43	Cor. No. 3, identical with cor. No. 4 Lava No. 2 lode of this survey. Thence S. 44°00' W.
75.10	Intersect line 4-1 Contact No. 6 lode of this survey.
171.28	Intersect line 1-2 Sur. No. 3381 Fraction lode at a point from which cor. No. 2 bears N. 2°31' 40" E., 313.77 ft. dist.
186.94	Intersect line 3-4 Sur. No. 2466 Little Frank lode at a point from which cor. No. 3 bears N. 52°44' W., 95.97 ft. dist.
300.00	Lode Line; discovery point bears N. 17°28' W., 1273.43 ft. dist.
345.29	Intersect line 1-2 Sur. No. 2572A Copper Carbonate lode at a point from which cor. No. 2 bears N. 51°01' W., 377.55 ft. dist.
600.00	Cor. No. 4, identical with cor. No. 4 Sur. No. 1581 Satellite lode. Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground with brass cap mkd. L3-4-4562-S-4-1581; from which Cor. No. 2 Sur. No. 2572A Copper Carbonate lode bears N. 15°29' W., 436.59 ft. dist. No local bearing objects or bearing trees available. Thence N. 17°28' W.
57.02	Intersect cor. No. 1 Sur. No. 3381 Wedge No. 2 lode.
57.69	Intersect line 2-3 Sur. No. 2466 Little Frank lode, at a

Chains Feet	point from which cor. No. 3 bears N. 37°12' E., 376.89 ft. dist.	
1460.49	Cor. No. 1, and place of beginning.	
	AREAS	
	Total area, Contact No. 12 lode	Acres 12.795
	Area in conflict with:	
	Sur. No. 1244 Vermont lode	7.727
	Sur. No. 1244 Cairo lode	1.928
	Total area, Contact No. 9 lode	20.638
	Area in conflict with:	
	Sur. No. 1244 Cairo lode	6.193
	Sur. No. 2466 Copper Contact lode	7.519
	Sur. No. 2466 Copper Contact lode, exclusive of its conflict with Sur. No. 1244 Cairo lode	7.273
	Sur. No. 2466 Fraction lode	0.097
	Sur. No. 2466 Fraction lode, exclusive of its conflict with:	
	Sur. No. 2466 Copper Contact lode	0.031
	Sur. No. 3381 Fraction lode	0.382
	Sur. No. 3381 Fraction lode, exclusive of its conflict with Sur. No. 2466 Copper Contact lode	0.000
	Total area, Contact No. 6 lode	20.355
	Area in conflict with:	
	Sur. No. 2466 Copper Contact lode	3.318
	Sur. No. 2466 Little Frank lode	2.671
	Sur. No. 2466 Little Frank lode, exclusive of its conflict with Sur. No. 2466 Copper Contact lode	2.595
	Sur. No. 2572A Copper Carbonate lode	3.051
	Sur. No. 2572A Copper Carbonate lode, exclusive of its conflict with Sur. No. 2466 Little Frank lode	2.853
	Sur. No. 3381 Fraction lode	13.975
	Sur. No. 3381 Fraction lode, exclusive of its conflict with the Copper Contact and Little Frank lodes both of Sur. No. 2466 and Sur. No. 2572A Copper Carbonate lode	5.562
	Total area, Contact No. 3 lode	17.168
	Area in conflict with:	
	Sur. No. 2572A Copper Carbonate lode	8.511
	Sur. No. 2572A Copper Nugget lode	4.307
	Sur. No. 2572A Copper Nugget lode, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	4.213
	Sur. No. 2572A Sleeper lode	3.500
	Sur. No. 2572A Sleeper lode, exclusive of its conflict with Sur. No. 2572A Copper Nugget lode	1.856
	Sur. No. 3381 Prospect lode	0.891
	Sur. No. 3381 Prospect lode, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	0.668
	Sur. No. 3381 Prospect lode, exclusive of its conflict with Sur. No. 2572A Copper Nugget lode	0.579
	Sur. No. 3381 Prospect lode, exclusive of its conflict with the Copper Carbonate and Copper Nugget lodes both of Sur. No. 2572A.	0.356

SURVEY NO. 4562

13.

Chains	Acres
Total area, Lava No. 2 lode	17.673
Area in conflict with:	
Sur. No. 2572A Copper Carbonate lode	6.192
Sur. No. 2572A Copper Nugget lode	7.793
Sur. No. 2572A Copper Nugget lode, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	7.769
Sur. No. 2572A Sleeper lode	0.629
Sur. No. 2572A Sleeper lode, exclusive of its conflict with Sur. No. 2572A Copper Nugget lode	0.000
Sur. No. 3381 Prospect lode	7.786
Sur. No. 3381 Prospect lode, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	7.422
Sur. No. 3381 Prospect lode, exclusive of its conflict with Sur. No. 2572A Copper Nugget lode	4.075
Sur. No. 3381 Prospect lode, exclusive of its conflict with the Copper Carbonate and Copper Nugget lodes both of Sur. No. 2572A	3.711
Unapproved Sur. No. 4557 Canyon No. 1 lode	0.397
Unapproved Sur. No. 4557 Canyon No. 1 lode, exclusive of its conflict with Sur. No. 3381 Prospect lode	0.000
Contact No. 6 lode of this survey	0.593
Contact No. 6 lode of this survey, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	0.000
Contact No. 3 lode of this survey	5.822
Contact No. 3 lode of this survey, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	4.057
Contact No. 3 lode of this survey, exclusive of its conflict with Sur. No. 2572A Copper Nugget lode	4.390
Contact No. 3 lode of this survey, exclusive of its conflict with Sur. No. 2572A Sleeper lode	5.807
Contact No. 3 lode of this survey, exclusive of its conflict with Sur. No. 3381 Prospect lode	4.944
Contact No. 3 lode of this survey, exclusive of its conflict with the Copper Carbonate, Copper Nugget and Sleeper lodes of Sur. No. 2572A and Sur. No. 3381 Prospect lode	0.000
Total area, Lava No. 3 lode	17.673
Area in conflict with:	
Sur. No. 2466 Little Frank lode	0.655
Sur. No. 2572A Copper Carbonate lode	4.331
Sur. No. 2572A Copper Carbonate lode, exclusive of its conflict with Sur. No. 2466 Little Frank lode	4.020
Sur. No. 2572A Copper Nugget lode	0.006
Sur. No. 3381 Prospect lode	2.869
Sur. No. 3381 Prospect lode, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	2.856
Sur. No. 3381 Prospect lode, exclusive of its conflict with Sur. No. 2572A Copper Nugget lode	2.863
Sur. No. 3381 Prospect lode, exclusive of its conflict with the Copper Carbonate and Copper Nugget lodes both of Sur. No. 2572A	2.850
Sur. No. 3381 Wedge No. 2 lode	12.935
Sur. No. 3381 Wedge No. 2 lode, exclusive of its conflict with Sur. No. 2466 Little Frank lode	12.744

Chains	Acres
Sur. No. 3381 Wedge No. 2 lode, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	10.208
Sur. No. 3381 Wedge No. 2 lode, exclusive of its conflict with Sur. No. 2466 Little Frank lode and Survey No. 2572A Copper Carbonate lode	10.141
Unapproved Sur. No. 4557 Canyon No. 1 lode	1.487
Unapproved Sur. No. 4557 Canyon No. 1 lode, exclusive of its conflict with Sur. No. 3381 Prospect lode	0.818
Unapproved Sur. No. 4557 Canyon No. 1 lode, exclusive of its conflict with Sur. No. 3381 Wedge No. 2 lode	0.669
Unapproved Sur. No. 4557 Canyon No. 1 lode, exclusive of its conflict with the Prospect and Wedge No. 2 lode both of Sur. No. 3381	0.000
Contact No. 6 lode of this survey	0.120
Contact No. 6 lode of this survey, exclusive of its conflict with Sur. No. 2572A Copper Carbonate lode	0.000
Sur. No. 3381 Fraction lode	0.506

LOCATION

This survey is located in the SE 1/4 sec. 11 and SW 1/4 sec. 12 and W 1/2 sec. 13 and the NE 1/4 sec. 14, 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 Contact No. 12 lode, the face of which being the discovery point, is on the lode line 106 ft. from a point on line 3-4, 200.00 ft. from cor. No. 3; 75 ft. wide, 8 ft. face, runs N. 1° E., 15 ft. to face.
Value, \$1,500.00
- No. 1 The discovery cut of the Contact No. 9 lode, the face of which being the discovery point, is on the lode line 327 ft. from a point on line 1-2, 300.00 ft. from cor. No. 1; 25 ft. wide, 8 ft. face, runs S. 60° W., 10 ft. to face.
Value, \$300.00
- No. 2 A diamond drill hole, the center of which bears N. 15° 21' W., 538.40 ft. from cor. No. 1 of the Contact No. 9 lode, 937 ft. deep.
Value, \$5,970.20
- No. 1 The discovery shaft of the Contact No. 6 lode, the center of which being the discovery point is on the center line 401 ft. from line 1-2, 300 ft. from cor. No. 1; 8 x 10 ft., 4 ft. deep.
Value, \$160.00
- No. 2 A cut 14 ft. wide, the face of which bears S. 35° 50' W., 524 ft. from cor. No. 2 Contact No. 6 lode; runs N. 25° W., 35 ft. to 8 ft. face.
Value, \$800.00

SURVEY NO. 4562

15.

Chans	
No. 3	A trench, the Northwest end of which bears S. 31°44' W., 600 ft. from cor. No. 2 Contact No. 6 lode; 6.5 ft. wide, 5 ft. deep, running S. 27° E., 35 ft. Value, \$780.00
No. 4	A diamond drill hole, the center of which bears S. 20°11' E., 482.00 ft. from cor. No. 1 Contact No. 6 lode; 699 ft. deep. Value, \$3,909.90
No. 5	A diamond drill hole, the center of which bears S. 6°34' W., 644.8 ft. from cor. No. 2 Contact No. 6 lode; 1250 ft. deep. Value, \$9,737.05
No. 6	A diamond drill hole, the center of which bears N. 36° 12' W., 308.20 ft. from cor. No. 3 Contact No. 6 lode; 1420 ft. deep. Value, \$9,031.20
No. 1	The discovery point of the Contact No. 3 lode is on the lode line 475 ft. from line 2-3, 250 ft. from cor. No. 2. No Value
No. 2	A diamond drill hole, the center of which bears N. 2° 27' E., 616 ft. from cor. No. 1 Contact No. 3 lode; 1060 ft. deep. Value, \$8,244.46
No. 1	The discovery cut of the Lava No. 2 lode, the face of which being the discovery point, is on the lode line 604.43 ft. from line 3-4, 300 ft. from cor. No. 3; 40 ft. wide, 8 ft. face, runs S. 70° E., 20 ft. Value, \$800.00
No. 2	A diamond drill hole, the center of which bears S. 56° 40' E., 147.80 ft. from cor. No. 1 Lava No. 2 lode; 605 ft. deep. Value, \$3,805.45
No. 1	The discovery cut of the Lava No. 3, the face of which being the discovery point, is on the lode line 187 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 60 ft. wide, 10 ft. face; running N. 17°28' W., 20 ft. to face. Value, \$1,000.00
No. 2	A diamond drill hole, the center of which bears S. 31° 26' E., 621.30 ft. from cor. No. 1 Lava No. 3 lode; 564 ft. deep. Value, \$3,384.00
No. 3	A diamond drill hole, the center of which bears S. 6°13' E., 380.60 ft. from cor. No. 2 Lava No. 3 lode; 395 ft. deep. Value, \$2,251.50
No. 4	A diamond drill hole, the center of which bears N. 34° 28'10" W., 422.56 ft. from cor. No. 3 Lava No. 2 lode; 612 ft. deep. Value, \$3,672.00
	OTHER IMPROVEMENTS None.

Chains

PLAN AND KIND OF MINING

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

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. 1244 Vermont lode: Cor. No. 1 has been destroyed. Cors. Nos. 2 and 3 are rocks, firmly set and properly mkd. Line 1-2 is shown as approved; line 2-3 was found to be S. $10^{\circ}22'$ E., 1485.39 ft., instead of S. $11^{\circ}10'$ E., 1500.00 ft. as approved.

Sur. No. 1244 Cairo lode: Cors. Nos. 2, 3 and 4 are rocks, firmly set and properly mkd. Line 2-3 was found to be N. $79^{\circ}12'$ E., 598.50 ft., instead of N. $78^{\circ}50'$ E., 600.00 ft. as approved. Line 3-4 was found to be S. $11^{\circ}04'$ E., 1504.00 ft. instead of S. $11^{\circ}10'$ E., 1500.00 ft. as approved.

Sur. No. 2466 Fraction lode: Cors. Nos. 2, 3 and 4 are rocks firmly set and properly mkd. Line 2-3 was found to be correct as approved. Line 3-4 was found to be S. $79^{\circ}12'$ W., 850.00 ft., instead of S. $78^{\circ}50'$ W., 850.00 ft. as approved.

Sur. No. 2466 Copper Contact lode: Cors. Nos. 1, 2 and 4 are rocks firmly set and properly mkd. Cor. No. 3 fell in wash and was not found, on line 3-4 found rock firmly set and properly mkd. for witness cor. Line 1-2 was found to be N. $34^{\circ}43'$ W., 1080.00 ft., instead of N. $34^{\circ}33'$ W., 1080.00 ft. as approved.

Line 2-3 was found to be N. $55^{\circ}21'$ E., 600.00 ft., instead of N. $55^{\circ}27'$ E., 600.00 ft. as approved. Line 3-4 was found to be S. $34^{\circ}39'$ E., 1080.00 ft., instead of S. $34^{\circ}33'$ E., 1080.00 ft. as approved. Line 4-1 was found to be S. $55^{\circ}21'$ W., 598.75 ft., instead of S. $55^{\circ}27'$ W., 600.00 ft. as approved.

Sur. No. 2466 Little Frank lode: Cors. Nos. 1, 2, 3 and 4 are rocks firmly set and properly mkd. Line 2-3 was found to be N. $37^{\circ}12'$ E., 1485.00 ft. instead of N. $37^{\circ}07'$ E., 1485.00 ft. as approved. Line 3-4 was found to be S. $52^{\circ}44'$ E., 599.32 ft. instead of S. $52^{\circ}53'$ E., 600.00 ft. as approved. Line 4-1 was found to be S. $37^{\circ}02'$ W., 1485.00 ft., instead of S. $37^{\circ}07'$ W., 1485.00 ft. as approved.

Sur. No. 3381 Fraction lode: Cors. Nos. 1, 2, 3 and 4 are rocks firmly set and properly mkd. Line 1-2 was found to be N. $2^{\circ}31'40''$ E., 1496.07 ft. instead of N. $2^{\circ}37'$ E., 1494.00 ft. as approved. Line 2-3 was found to be S. $87^{\circ}15'$ E., 495.19 ft. instead of S. $87^{\circ}23'$ E., 490.00 ft. as approved. Line 3-4 was found to be S. $2^{\circ}43'20''$ W., 1494.66 ft. instead of S. $2^{\circ}37'$ E., 1494.00 ft. as

SURVEY NO. 4562

17.

Chains

approved. Line 4-1 was found to be N. $87^{\circ}24'50''$ W., 490.12 ft. instead of N. $87^{\circ}23'$ W., 490.00 ft. as approved.

Survey No. 2572A Copper Carbonate lode: Cors. Nos. 1, 2 and 3 are 4 x 4 in. post firmly set and properly mkd. Cors. Nos. 4 and 5 are rocks firmly set and properly mkd. Line 1-2 was found to be N. $51^{\circ}01'$ W., 599.75 ft., instead of N. $51^{\circ}06'$ W., 600.00 ft., as approved. Line 2-3 was found to be N. $39^{\circ}27'$ E., 1473.29 ft., instead of N. $39^{\circ}23'$ E., 1470.00 ft. as approved. Line 3-4 was found to be S. $50^{\circ}54'$ E., 597.00 ft., instead of S. $51^{\circ}06'$ E., 600.00 ft. as approved. Line 4-5 was found to be S. $39^{\circ}26'$ W., 1307.38 ft., instead of S. $39^{\circ}27.6'$ W., 1307.41 ft. as approved. Line 5-1 was found to be S. $38^{\circ}38'$ W., 164.70 ft., instead of S. $38^{\circ}46'$ W., 162.62 ft. as approved.

Survey No. 2572A Copper Nugget lode: Cors. Nos. 1 and 2 are destroyed. Cors. Nos. 3 and 4 are 4 x 4 in. post firmly set and properly mkd. Lines 1-2, 3-4 and 4-1 are shown as approved.

Survey No. 2572A Sleeper lode: Cors. Nos. 1 and 3 are 4 x 4 in. post firmly set, no markings. Cor. No. 2 pile of rock, post has been destroyed. Cor. No. 6 a rock firmly set and properly mkd. Line 1-2 was found to be N. $61^{\circ}33'10''$ W., 599.26 ft., instead of N. $61^{\circ}38'$ W., 600.00 ft. as approved. Line 2-3 was found to be N. $29^{\circ}07'$ E., 942.30 ft., instead of N. $29^{\circ}04'$ E., 933.60 ft. as approved. Line 6-1 was found to be S. $29^{\circ}08'$ W., 1484.23 ft., instead of S. $28^{\circ}47.7'$ W., 1480.75 ft. as approved.

Sur. No. 2572A Sweepstake lode: Cors. Nos. 1 and 5 are 4 x 4 in. post firmly set and properly mkd. Line 5-1 was found to be S. $44^{\circ}00'$ W., 1477.02 ft., instead of S. $43^{\circ}52'$ W., 1480.00 ft. as approved.

Survey No. 1581 Satellite lode: Cor. No. 2 a 4 x 4 in. post firmly set and properly mkd. North end center, a 4 x 4 in. post firmly set and properly mkd. Cors. Nos. 3 and 4 were destroyed. Re-established Cor. No. 3 from cor. No. 2. Cor. No. 4, found hole and evidence of 4 x 4 in. post rotted off, set an iron pipe 3 ft. long, 1-1/2 in. diam., 18 ins. in the ground and properly mkd. for cor. No. 4 Sur. No. 1581 Satellite lode and cor. No. 4 Lava No. 3 lode. Line 3-4 was found to be S. $17^{\circ}28'$ E., 1460.43 ft. instead of S. $18^{\circ}30'$ E., 1500.00 ft. as approved.

Sur. No. 3381 Wedge No. 2 lode: Cors. Nos. 1, 2, 3 and 4 are rocks firmly set and properly mkd. Line 1-2 was found to be correct as approved. Line 2-3 was found to be N. $43^{\circ}36'20''$ E., 465.89 ft., instead of N. $43^{\circ}32'30''$ E., 463.18 ft. as approved. Line 3-4 was found to be S. $17^{\circ}48'$ E., 1401.00 ft., instead of S. $17^{\circ}52'30''$ E., 1399.14 ft. as approved. Line 4-1 was found to be S. $43^{\circ}42'$ W., 463.40 ft., instead of S. $43^{\circ}32'30''$ W., 463.18 ft. as approved.

Sur. No. 3381 Prospect lode: Cors. Nos. 1, 2, 3 and 5 are rocks firmly set and properly mkd. Cor. No. 4 was destroyed. Line 1-2 was found to be N. $17^{\circ}48'$ W., 990.80 ft., instead of N. $17^{\circ}52'30''$ W., 989.40 ft. as approved. Line 2-3 was found to be correct as approved.

Chains

Line 3-4 is shown as approved. Line 4-5 was found to be 56.08 ft. instead of 61.27 ft. as approved. Line 5-1 was found to be S. 43°29'10" W., 685.02 ft., instead of S. 43°32'30" W., 683.28 ft. as approved.

Sur. No. 4557 Canyon No. 1 lode unapproved: Cor. No. 1 fell on rock bluff properly mkd. Cors. Nos. 2 and 4 are iron pipe firmly set and properly mkd. Line 1-2 shown as S. 71°37' W., 1500.00 ft. and line 4-1 shown as S. 18°28' E., 600.00 ft.

Sur. No. 3381 Satellite No. 2 lode: Cors. Nos. 4 and 5 are rocks firmly set and properly mkd. Line 4-5 was found to be S. 43°36'20" W., 430.91 ft., instead of S. 43°32'30" W., 423.83 ft. as approved.

FIELD ASSISTANTS

Name	Capacity
Lee Cook	Chainman
W. H. Martin	Chainman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Feb. 24, 1964

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 & Dec. 30, 1963, I have faithfully and correctly executed the survey of the mining claim of KENNECOTT COPPER CORPORATION

known as the Lava No. 2, Lava No. 3, Contact No. 3, Contact No. 9, Contact No. 12 & Contact No. 6 (Lode, placer, or mill site) situate in Mineral Creek Mining District, Pinal County, Sec. 13, 12, 11 & 14,

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

designated as Survey No. 4562, 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

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 Sept. 14, 1964 (Place) (Date)

The foregoing field notes of mineral survey No. 4562, in Sections 11, 12, 13 and 14

T. 3 South, R. 13 East, Gila & Salt River Meridian, Arizona (State), executed by Oscar T. Smith, Mineral Surveyor,

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 (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

CERTIFICATE OF SURVEYOR

1964

OSCAR T. SMITH

Whereas Oscar T. Smith, Surveyor, has duly and lawfully performed the duties of his office

in and for the State of Arizona

and whereas the said Oscar T. Smith has faithfully and correctly executed the survey of

the following claim:

to-wit: the claim of the JVA No. 2, located in T. 36S., R. 10E., S. 12N., Contract No. 112

in the Arizona State Mining District, Pinal County, Arizona, T. 36S., R. 10E., S. 12N.

and whereas the said Oscar T. Smith is a duly qualified Surveyor in and for the State of Arizona

and whereas the said Oscar T. Smith has duly and lawfully performed the duties of his office

in and for the State of Arizona and has faithfully and correctly executed the survey of

the following claim:

to-wit: the claim of the JVA No. 2, located in T. 36S., R. 10E., S. 12N., Contract No. 112

in the Arizona State Mining District, Pinal County, Arizona, T. 36S., R. 10E., S. 12N.

and whereas the said Oscar T. Smith is a duly qualified Surveyor in and for the State of Arizona

and whereas the said Oscar T. Smith has duly and lawfully performed the duties of his office

in and for the State of Arizona and has faithfully and correctly executed the survey of

the following claim:

to-wit: the claim of the JVA No. 2, located in T. 36S., R. 10E., S. 12N., Contract No. 112

CERTIFICATE OF APPROVAL

Whereas Oscar T. Smith, Surveyor, has duly and lawfully performed the duties of his office

in and for the State of Arizona and has faithfully and correctly executed the survey of

the following claim:

to-wit: the claim of the JVA No. 2, located in T. 36S., R. 10E., S. 12N., Contract No. 112

in the Arizona State Mining District, Pinal County, Arizona, T. 36S., R. 10E., S. 12N.

and whereas the said Oscar T. Smith is a duly qualified Surveyor in and for the State of Arizona

and whereas the said Oscar T. Smith has duly and lawfully performed the duties of his office

in and for the State of Arizona and has faithfully and correctly executed the survey of

the following claim:

to-wit: the claim of the JVA No. 2, located in T. 36S., R. 10E., S. 12N., Contract No. 112

in the Arizona State Mining District, Pinal County, Arizona, T. 36S., R. 10E., S. 12N.

CERTIFICATE OF TRANSMITT

I hereby certify that the foregoing transcript of field notes of the above described mineral survey No.

is a true and correct copy of the original field notes.