

Form 4-683  
(January 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number  
4557

State  
Arizona

Land District

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

Kennecott Copper Corporation

Ray, Arizona

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Canyon No. 1	10-1-55	1-2-56
Canyon No. 2	10-1-55	1-2-56
Canyon No. 3	10-1-55	1-2-56
Canyon No. 4	10-1-55	1-2-56
Canyon No. 5	10-1-55	1-2-56

Mining district Mineral Creek		County Pinal		
Sections 11, 12 and 14	Township 3 South	Range 13 East	Meridian G&SRM	Survey under order dated March 20, 1961
Survey commenced August 2, 1961		Survey completed September 2, 1961	Name of Mineral Surveyor Oscar T. Smith	

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number

Date

Field District

In the survey of mine claim of James and Edwin of Colorado

Section 27, T. 13 N., R. 10 W., S. 10 E.

Survey of the 10th Meridian

CONSECUTIVE SECTION NAMES AND LOCATIONS AS LISTED

DATE	SECTION	SECTION NUMBER	SECTION LOCATIONS	
			SECTION	SECTION NUMBER
1-1-28	27	27	Section 27, T. 13 N., R. 10 W., S. 10 E.	Section 27, T. 13 N., R. 10 W., S. 10 E.
1-1-28	28	28	Section 28, T. 13 N., R. 10 W., S. 10 E.	Section 28, T. 13 N., R. 10 W., S. 10 E.
1-1-28	29	29	Section 29, T. 13 N., R. 10 W., S. 10 E.	Section 29, T. 13 N., R. 10 W., S. 10 E.
1-1-28	30	30	Section 30, T. 13 N., R. 10 W., S. 10 E.	Section 30, T. 13 N., R. 10 W., S. 10 E.
1-1-28	31	31	Section 31, T. 13 N., R. 10 W., S. 10 E.	Section 31, T. 13 N., R. 10 W., S. 10 E.

Section 27, T. 13 N., R. 10 W., S. 10 E.	Section 28, T. 13 N., R. 10 W., S. 10 E.	Section 29, T. 13 N., R. 10 W., S. 10 E.	Section 30, T. 13 N., R. 10 W., S. 10 E.	Section 31, T. 13 N., R. 10 W., S. 10 E.
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SURVEY NO. 4557

1.

FEET

This survey was made with a Keuffel & Esser 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 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 observations:

August 9, 1961, at cor. No. 4 of the Canyon No. 3 lode, in latitude  $33^{\circ}10'18''$  N., and longitude  $110^{\circ}59'32''$  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 1500 ft., Southwest to the sun.

Mean time of observation, 105th  
meridian standard time =  $3^{\text{h}}42^{\text{m}}\text{p. M.}$

Declination of sun at mean  
time of observation =  $15^{\circ}43'21''$

Mean observed vertical angle  
to sun's center =  $43^{\circ}44'$

Mean horizontal angle from  
reference point to sun's center =  $171^{\circ}49'40''$

The bearing to reference point = N.  $71^{\circ}37'17''$  E.

The lines were measured with a Keuffel & Esser steel tape 500 ft. in length graduated every foot for 500 ft., and a steel tape 10 ft. in length, graduated to feet, tenths, and hundredths; both tapes were compared with a standard 100 ft. invar steel 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  $13^{\circ}41'$  E.

SURVEY NO. 4557

CANYON NO. 1 LODE

At cor. No. 1 of the Canyon No. 1 lode

On rock bluff 6 ft. above ground point for cor. No. 1 mkd.  
XC1-1-4557; from which

The cor. of Secs. 11, 12, 13 and 14, T. 3 S., R. 13 E., G. & S. R. M., bears S.  $50^{\circ}49'30''$  W., 626.73 feet. dist., a 1 in. iron post with brass cap, 12 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

Cor. Nos. 1 and 2 unapproved Sur. No. 4562 Lava No. 2 and Lava No. 3 lodes bears N.  $31^{\circ}23'$  W., 268.81 ft. dist.

FEET	
	<p>Cor. Nos. 2, 3 and 4 Sur. No. 3381 Prospect, Wedge No. 2, and Satellite No. 2 lodes bears N. 62°15'40" W., 275.30 ft. dist.            No local bearing objects            or bearing trees available</p> <p>Thence S. 71°37' W.</p>
64.65	Intersect line 4-1 and 2-3 unapproved Sur. No. 4562 Lava No. 2 and Lava No. 3 lodes, at a point from which cor. Nos. 1 and 2 bears N. 17°28' W., 261.95 ft. dist.
192.83	Intersect line 1-2 and 3-4 Sur. No. 3381 Prospect and Wedge No. 2 lodes at a point from which cor. Nos. 2 and 3, identical with cor. No. 4 Sur. No. 3381 Satellite No. 2 lode bears N. 17°48' W., 198.45 ft. dist.
561.10	Intersect cor. No. 5, Sur. No. 3381 Satellite No. 2 lode and line 1-2 unapproved Sur. No. 4562 Lava No. 3 lode and line 5-1 Sur. No. 2572A Sweepstake lode at a point from which cor. No. 2 Lava No. 3 lode bears N. 44°00' E., 565.02 ft. dist. and cor. No. 1 Sweepstake lode bears S. 44°00' W., 149.40 ft. dist.
563.86	Intersect line 2-3 Wedge No. 2 lode at a point from which cor. No. 3 identical with cor. No. 2 Prospect lode and cor. No. 4 Satellite No. 2 all of Sur. No. 3881, bears N. 43°36'20" E., 422.54 ft. dist.
591.85	Intersect cor. No. 3 Sur. No. 1581 Satellite lode.
729.15	Intersect line 1-2 Sur. No. 2572A Sweepstake lode at a point from which cor. No. 2 bears N. 45°38' W., 519.40 ft. dist.
1153.18	Intersect cor. No. 2 Satellite lode, identical with cor. No. 3 Saturn lode, both of Sur. No. 1581.
1495.00	Intersect cor. No. 1 Sur. No. 3381 Satellite No. 2 lode, identical with cor. No. 4 Sur. No. 1581 Thomas lode.
1500.00	<p>Cor. No. 2</p> <p>Set and iron pipe, 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. Cl-2-4557; from which</p> <p>Cor. No. 3 Colorado lode identical with cor. No. 4 Adventure lode both of Sur. No. 3367, bears N. 2°57'30" E., 309.88 ft. dist.</p> <p>No bearing objects or            bearing trees available</p> <p>Thence N. 18°28' W.</p>
287.94	Intersect line 3-4 Sur. No. 3367 Colorado lode at a point from which cor. No. 3 identical with cor. No. 4. Sur. No. 3367 Adventure lode, bears N. 71°16' E., 113.19 ft. dist.
300.00	Lode line; discovery shaft bears N. 71°37' E., 60.00 ft. dist.

FEET	
600.00	<p>Cor. No. 3, identical with cor. No. 2 Canyon No. 2 lode of this survey.</p> <p>Set an iron pipe, 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C1-3-C2-2-4557; from which</p> <p>Cor. No. 2 Sur. No. 3381 Satellite No. 2 lode identical with cor. No. 3 Thomas lode and Cor. No. 4 Contention lode both of Sur. No. 1581, bears N. 23°11' E., 7.63 ft. dist.</p> <p>Cor. No. 2 Sur. No. 2572A Sweepstake lode bears N. 86°08' E., 551.51 ft. dist.</p> <p>Cor. No. 4 Sur. No. 3367 Juarez lode bears N. 87°04'50" E., 563.55 ft. dist.</p> <p>Cor. No. 3 Sur. No. 3367 Adventure lode bears S. 85°03'30" E., 777.15 ft. dist.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence N. 71°37' E.</p>
5.07	<p>Intersect line 3-4 Sur. No. 1581 Thomas lode, identical with line 1-2 Sur. No. 3381 Satellite No. 2 lode, at a point from which cor. Nos. 4 and 1 bears S. 18°27'30" E., 600.00 ft. dist.</p>
116.82	<p>Intersect line 2-3 and 4-1 Sur. No. 3367 Colorado and Adventure lodes at a point from which cor. Nos. 3 and 4 bears S. 17°48' E., 311.38 ft. dist.</p>
562.31	<p>Intersect line 4-1 Sur. No. 3367 Juarez lode at a point from which cor. No. 4 bears S. 11°07' E., 151.48 ft. dist.</p>
716.77	<p>Intersect line 2-3 Sur. No. 3367 Adventure lode at a point from which cor. No. 3 bears S. 17°48' E., 307.73 ft. dist.</p>
738.78	<p>Intersect line 2-3 Sur. No. 3381 Satellite No. 2 lode at a point from which cor. No. 3 bears N. 72°03'40" E., 570.71 ft. dist.</p>
806.39	<p>Intersect line 2-3 Sur. No. 2572A Sweepstake lode at a point from which cor. No. 2 bears S. 44°43' W., 305.55 ft. dist.</p>
1162.82	<p>Intersect line 2-3 Sur. No. 3367 Juarez lode at a point from which cor. No. 3 bears S. 11°04' E., 276.84 ft. dist.</p>
1500.00	<p>Cor. No. 4, identical with cor. No. 1 Canyon No. 2 lode of this survey.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground with brass cap mkd. C1-4-C2-1-4557, from which</p> <p>Cor. No. 3 Sur. No. 3367 Juarez lode bears S. 35°13' W., 462.21 ft. dist.</p> <p>Cor. No. 3 Sur. No. 3381 Satellite No. 2 lode bears S. 70°17' W., 190.57 ft. dist.</p> <p>Cor. No. 3 Sur. No. 2572A Sweepstake lode identical with cor. No. 4 Sur. No. 2465 Black Warrior lode bears N. 76°36' W., 367.30 ft. dist.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence S. 18°28' E.</p>

300.00	Lode line, discovery shaft bears S. 71°37' W., 1440.00 ft. dist., also intersect line 2-3 Sur. No. 3381 Prospect lode at a point from which cor. No. 2 identical with Cor. No. 3 Wedge No. 2 lode and Cor. No. 4 Satellite No. 2 lode both of Sur. No. 3381, bears S. 43°32' 30" W., 215.77 ft. dist.
306.67	Intersect line 5-1 Sur. No. 2572A Sweepstake lode and line 1-2 unapproved Sur. No. 4562 Lava No. 2 lode at a point from which cor. No. 1 bears S. 44°00' W., 782.17 ft. dist. and cor. No. 1 identical with cor. No. 2 unapproved Sur. No. 4562 Lava No. 3 lode bears S. 44°00' W., 67.75 ft. dist.
600.00	Cor. No. 1, and place of beginning.
CANYON NO. 2 LODE	
Beginning at cor. No. 1 of Canyon No. 2 lode, identical with cor. No. 4 Canyon No. 1 lode of this survey, from which	
The cor. of secs. 11, 12, 13, and 14 bears S. 17°02' 30" W., 1009.33 ft. dist., previously described.	
Thence S. 71°37' W.	
337.18	Intersect line 2-3 Sur. No. 3367 Juarez lode at a point from which cor. No. 3 bears S. 11°04' E., 276.84 ft. dist.
693.61	Intersect line 2-3 Sur. No. 2572A Sweepstake lode at a point from which cor. No. 3 identical with Cor. No. 4 Sur. No. 2465 Black Warrior lode, bears N. 44°43' E., 427.65 ft. dist.
761.22	Intersect line 2-3 Sur. No. 3381 Satellite No. 2 lode at a point from which Cor. No. 2 identical with Cor. No. 4 and Cor. No. 3 Contention and Thomas lodes both of Sur. No. 1581, bears S. 72°03'40" W., 733.73 ft. dist.
783.23	Intersect line 2-3 Sur. No. 3367 Adventure lode at a point from which cor. No. 3 bears S. 17°48' E., 307.73 ft. dist.
937.69	Intersect line 4-1 Sur. No. 3367 Juarez lode at a point from which cor. No. 4 bears S. 11°07' E., 151.48 ft. dist.
1383.18	Intersect line 4-1 and 2-3 Sur. No. 3367 Adventure and Colorado lodes at a point from which cor. Nos. 4 and 3 bears S. 17°48' E., 311.38 ft. dist.
1494.93	Intersect line 1-2 Sur. No. 3381 Satellite No. 2 lode, identical with line 3-4 Sur. No. 1581 Thomas lode at a point from which cors. Nos. 2 and 3 identical with Cor. No. 4 Sur. No. 1581 Contention lode, bears N. 18°27'30" W., 5.70 ft. dist.
1500.00	Cor. No. <del>X</del> <sup>2</sup> identical with cor. No. 3 Canyon No. 1 lode of this survey.
Thence N. 18°28' W.	
5.70	Intersect line 2-3 Thomas lode common with line 4-1 Contention lode both of Sur. No. 1581 at a point from which cor. No. 3 Thomas lode and cor. No. 4 Contention lode identical with cor. No. 2 Sur. No. 3381 Satellite No. 2 lode, bears N. 71°30' E., 5.07 ft. dist.
300.00	Lode line; discovery cut bears N. 71°37' E., 60 ft. dist.

SURVEY NO. 4557

5.

FEET	
592.78	Intersect line 2-3 and 4-1 Sur. No. 1581 Contention and Truman lodes at a point from which cors. Nos. 3 and 4 bears N. 71°30' E., 4.91 ft. dist.
600.00	<p>Cor. No. 3, identical with cor. No. 3 Canyon No. 3 lode of this survey.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C2-3-C3-3-4557, from which</p> <p>Cor. No. 3 Contention lode and Cor. No. 4 Truman lode both of Sur. No. 1581, bears S. 52°43'20" E., 8.73 ft. dist.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence N. 71°37' E.</p>
4.91	Intersect line 3-4 Sur. No. 1581 Truman lode at a point from which cor. No. 4, identical with cor. No. 3 Sur. No. 1581 Contention lode bears S. 18°28' E., 7.22 ft. dist.
123.83	Intersect line 2-3 and 4-1 Sur. No. 3367 Colorado and Adventure lodes at a point from which cors. Nos. 3 and 4 bears S. 17°48' E., 911.41 ft. dist.
639.70	Intersect line 4-1 Sur. No. 3367 Juarez lode at a point from which cor. No. 4 bears S. 11°07' E., 756.32 ft. dist.
723.75	Intersect line 2-3 Sur. No. 3367 Adventure lode at a point from which cor. No. 3 bears S. 17°48' E., 907.75 ft. dist.
1240.75	Intersect line 2-3 Sur. No. 3367 Juarez lode and line 3-4 Sur. No. 2465 Black Warrior lode at a point from which cor. No. 3 Sur. No. 3367 Juarez lode bears S. 11°04' E., 881.77 ft. dist. and cor. No. 4 Sur. No. 2465 Black Warrior lode identical with Cor. No. 3, Sur. No. 2572A Sweepstake lode, bears S. 11°04' E., 409.87 ft. dist.
1500.00	<p>Cor. No. 4, identical with cor. No. 2 Canyon No. 3 lode of this survey.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C2-4-C3-2-4557.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence S. 18°28' E.</p>
239.50	Intersect line 3-4 Sur. No. 2572A Sweepstake lode at a point from which cor. No. 3, identical with cor. No. 4 Sur. No. 2465 Black Warrior lode bears S. 43°26' W., 353.63 ft. dist.
300.00	Lode line: discovery cut bears S. 71°37' W., 1440.00 ft. dist.
469.72	Intersect line 4-1 Sur. No. 2465 Black Warrior lode at a point from which cor. No. 4, identical with cor. No. 3 Sur. No. 2572A Sweepstake lode bears S. 83°04' W., 318.38 ft. Dist.
600.00	Cor. No. 1, and place of beginning.
<p style="text-align: center;">CANYON NO. 3 LODE</p> <p>Beginning at cor. No. 1 of the Canyon No. 3 lode, identical with cor. No. 1 Canyon No. 5 lode of this survey.</p>	

FEET	
	<p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C3-1-C5-1-4557; from which</p> <p>The 1/4 sec. cor: of secs. 11 and 12, T. 3 S., R. 13 E., G. &amp; S. R. M., bears N. 8°44'10" E., 536.20 ft. dist., an iron post 1 in. diam., with brass cap 11 ins. above ground, firmly set, mkd. and witnessed as described in the official record.</p> <p>Cor. No. 2 Sur. No. 3367 Juarez lode and cor. No. 3 Sur. No. 3597 Tom Payne lode, and cor. Nos. 3 and 4 Sur. No. 2465 Black Warrior and Calumet lodes bears S. 75°22'40" W., 180.23 ft. dist.</p> <p style="text-align: center;">No local bearing objects or bearing trees available</p> <p style="text-align: center;">Thence S. 18°28' E.</p>
24.61	Intersect line 4-1 and 2-3 Sur. No. 2465 Calumet and Black Warrior lodes at a point from which cors. Nos. 4 and 3 identical with cor. No. 2 Sur. No. 3367 Juarez lode and cor. No. 3 Sur. No. 3597 Tom Payne lode bears S. 83°04' W., 183.53 ft. dist.
300.00	Lode line; discovery cut bears S. 71°37' W., 1440.00 ft. dist.
600.00	Cor. No. 2, identical with cor. No. 4 Canyon No. 2 lode of this survey.
	Thence S. 71°37' W.
259.25	Intersect line 3-4 Sur. No. 2465 Black Warrior lode common with line 2-3 Sur. No. 3367 Juarez lode at a point from which cors. Nos. 3 and 2 identical with cor. No. 3 Sur. No. 3597 Tom Payne lode and cor. No. 4 Sur. No. 2465 Calumet lode, bears N. 11°04' W., 616.83 ft. dist.
776.25	Intersect line 2-3 Sur. No. 3367 Adventure lode at a point from which cor. No. 2 identical with cor. No. 3 Sur. No. 3367 Wedge lode, bears N. 17°48' W., 592.25 ft. dist.
860.30	Intersect line 4-1 Sur. No. 3367 Juarez lode at a point from which cor. No. 1 bears N. 11°07' W., 741.08 ft. dist.
1376.17	Intersect line 4-1 and 2-3 Sur. No. 3367 Adventure and Colorado lodes at a point from which cors. Nos. 1 and 2 bears N. 17°48' W., 588.59 ft. dist.
1495.09	Intersect line 3-4 Sur. No. 1581 Truman lode at a point from which cor. No. 3 bears N. 18°28' W., 595.88 ft. dist.
1500.00	Cor. No. 3, identical with cor. No. 3 Canyon No. 2 lode of this survey.
	Thence N. 18°28' W.
15.36	Intersect line 4-1 Sur. No. 3367 Colorado lode at a point from which cor. No. 1 bears N. 17°48' W., 572.47 ft. dist.
300.00	Lode line; discovery cut bears N. 71°37' E., 60.00 ft. dist.



SURVEY NO. 4557

7.

FEET	
582.53	Intersect line 4-1 Sur. No. 2605 Chicago lode at a point from which cor. No. 4 bears N. 71°23' E., 359.27 ft. dist.
595.89	Intersect line 2-3 Sur. No. 1581 Truman lode at a point from which cor. No. 3 bears N. 71°30' E., 4.92 ft. dist.
600.00	Cor No. 4 Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C3-4-4557; from which  Cor. 1 Sur. No. 3367 Colorado lode bears S. 47°06' E., 13.90 ft. dist.  Cor. No. 3 Sur. No. 1581 Truman lode bears S. 68°35'50" E., 6.41 ft. dist.  Cors. Nos. 2 and 1 Sur. No. 3367 Colorado and Adventure lodes bears N. 76°37' E., 131.17 ft. dist.  Cor. No. 4 Sur. No. 2605 Chicago lode bears N. 74°10' E., 359.65 ft. dist.  Cor No. 4 Sur. No. 3367 Wedge lode bears N. 73°23'10" E., 330.82 ft. dist.  Cors. Nos. 2 and 3 Sur. No. 3367 Adventure and Wedge lodes bears N. 72°13'30" E., 730.70 ft. dist.  No local bearing objects or bearing trees available  Thence N. 71°37' E.
300.00	Intersect cor. No. 2 Canyon No. 4 lode of this survey.
332.00	Intersect line 4-1 Sur. No. 3367 Wedge lode at a point from which cor. No. 4 bears S. 10°45' E., 10.48 ft. dist.
366.18	Intersect line 3-4 Sur. No. 2605 Chicago lode at a point from which cor. No. 4 bears S. 4°54' W., 17.42 ft. dist.
717.07	Intersect line 4-1 Sur. No. 3367 Juarez lode at a point from which cor. No. 1 bears N. 11°07' W., 136.20 ft. dist.
731.70	Intersect line 2-3 Sur. No. 3367 Wedge lode at a point from which cor. No. 3 identical with cor. No. 2 Sur. No. 3367 Adventure lode, bears S. 10°45' E., 7.85 ft. dist.
900.00	Intersect cors. Nos. 1 and 2 Canyon No. 4 and 5 lodes of this survey.
1318.64	Intersect line 2-3 Sur. No. 3367 Juarez lode common with line 3-4 Sur. No. 2465 Black Warrior at a point from which cor. No. 3 Juarez lode and cor. No. 3 Black Warrior lode identical with cor. No. 4 Sur. No. 2465 Calumet lode and Cor. No. 3 Sur. No. 3597 Tom Payne lode, bears S. 11°04' E., 1486.68 ft. dist.
1378.53	Intersect line 2-3 Black Warrior lode common with line 4-1 Calumet lode both of Sur. No. 2465 at a point from which cor. No. 3 Black Warrior lode and cor. No. 4 Calumet lode identical with Cor. No. 2 Sur No. 3367 Juarez lode and cor. No. 3 Sur. No. 3597 Tom Payne lode, bears S. 83°04' W., 59.56 ft. dist.
1500.00	Cor. No. 1, and the place of beginning.

FEET	CANYON NO. 4 LODE
	<p>Beginning at cor. No. 1 of the Canyon No. 4 lode, identical with cor. No. 2 Canyon No. 5 lode and on line 4-1 Canyon No. 3 lode both of this survey.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C4-1-C5-2-4557, from which</p> <p>The 1/4 sec. cor. of secs. 11 and 12 bears N. 42° 08'30" E., 969.95 ft. dist. previously described.</p> <p>Cor. Nos. 1 and 4 Sur. No. 3367 Juarez lode and Sur. No. 3597 Tom Payne lode bears N. 69°11'30" W., 213.80 ft. dist.</p> <p>Cor. No. 4 Sur. No. 3055 Marion lode bears N. 16°38'50" W., 707.06 ft. dist.</p> <p>No local bearing objects or bearing trees available</p> <p>Thence S. 71°37' W.</p>
168.30	Intersect line 2-3 Sur. No. 3367 Wedge lode at a point from which cor. No. 3 identical with cor. No. 2 Sur. No. 3367 Adventure lode bears S. 10°45' E., 7.85 ft. dist.
182.93	Intersect line 4-1 Sur. No. 3367 Juarez lode at a point from which cor. No. 1 identical with cor. No. 4 Sur. No. 3597 Tom Payne lode bears N. 11°07' W., 136.20 ft. dist.
300.00	Lode line; discovery cut bears N. 18°28' W., 480.00 ft. dist.
533.82	Intersect line 3-4 Sur. No. 2605 Chicago lode at a point from which cor. No. 4 bears S. 4°54' W., 17.42 ft. dist.
568.00	Intersect line 4-1 Sur. No. 3367 Wedge lode at a point from which cor. No. 1 bears N. 10°45' W., 1488.79 ft. dist.
600.00	<p>Cor. No. 2, on line 4-1 Canyon No. 3 lode of this survey.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C4-2-4557.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 18°28' W.</p>
357.98	Intersect line 4-1 Sur. No. 3055 Marion lode at a point from which cor. No. 4 bears N. 42°20' E., 713.08 ft. dist.
1036.16	Intersect line 2-3 Sur. No. 3055 Marion lode at a point from which cor. No. 3 bears N. 42°20' E., 382.91 ft. dist.
1233.87	Intersect line 3-4 and 1-2 Sur. No. 2605 New York and Chicago lodes at a point from which cor. Nos. 3 and 2 bears N. 4°54' E., 136.66 ft. dist.
1359.18	Intersect line 2-3, 4-1 and 4-1 of Sur. No. 2605 New York and Blue Bell lodes and Sur. No. 3367 Carrie Nation lode at a point from which cor. Nos. 3, 4, and 4 bears N. 71°23' E., 54.20, 349.90 and 583.97 ft. dist.

FEET	
1500.00	<p>Cor. No. 3</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C4-3-4557, from which</p> <p>Cor. Nos. 2 and 3 Sur. No. 2605 Chicago and New York lodes bears S. 39°32'10" E., 150.76 ft. dist.</p> <p>Cor. No. 1 Sur. No. 3367 Wedge lode bears N. 77°34'40" E., 233.26 ft. dist.</p> <p>Cor. No. 4 Sur. No. 2605 Blue Bell lode bears S. 86°40'20" E., 376.84 ft. dist.</p> <p style="text-align: center;">No local bearing objects or bearing trees available</p> <p style="text-align: center;">Thence N. 71°37' E.</p>
300.00	Lode line, discovery cut bears S. 18°28' E., 1020.00 ft. dist.
410.72	Intersect line 3-4 Sur. No. 2605 Blue Bell lode at a point from which cor. No. 4 bears S. 5°07' W., 152.01 ft. dist.
600.00	<p>Cor. No. 4 identical with cor. No. 3 Canyon No. 5 lode of this survey.</p> <p>Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C4-4-C5-3-4557, from which</p> <p>Cor. No. 2 Sur. No. 3367 Wedge lode bears S. 74°09' E., 38.70 ft. dist.</p> <p>Cor. No. 3 Sur. No. 2605 Chicago lode bears S. 39°52'40" E., 148.48 ft. dist.</p> <p>Cor. No. 3 Sur. No. 3055 Marion lode bears S. 25°26' W., 383.26 ft. dist.</p> <p>Cor. No. 4 Sur. No. 3367 Carrie Nation lode bears S. 11°52' E., 139.35 ft. dist.</p> <p style="text-align: center;">No. local bearing objects or bearing trees available</p> <p style="text-align: center;">Thence S. 18°28' E.</p>
7.06	Intersect line 3-4 and 4-1 Sur. No. 3367 Carrie Nation lode and Sur. No. 3597 Tom Payne lode at a point from which cors. Nos. 4 and 4 bears S. 11°31' E., 132.34 and 1367.62 ft. dist.
21.97	Intersect line 1-2 Sur. No. 3367 Wedge Lode at a point from which cor. No. 1 bears S. 71°16' W., 368.04 ft. dist.
138.37	Intersect line 2-3 Sur. No. 2605 Chicago lode at a point from which cor. No. 2 bears S. 71°23' W., 545.80 ft. dist.
257.68	Intersect line 2-3 Sur. No. 3367 Wedge lode at a point from which cor. No. 2 bears N. 10°45' W., 238.02 ft. dist.
263.68	Intersect line 3-4 Sur. No. 2605 Chicago lode at a point from which cor. No. 3 bears N. 4°54' E., 136.66 ft. dist.
752.97	Intersect line 3-4 Sur. No. 3055 Marion lode at a point from which cor. No. 3 bears N. 47°36' W., 545.87 ft. dist.

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805.82	Intersect line 4-1 Sur. No. 3055 Marion lode at a point from cor. No. 4 bears N. 42°20' E., 25.73 ft. dist.
1399.73	Intersect line 3-4 Sur. No. 3597 Tom Payne lode common with line 1-2 Sur. No. 3367 Juarez lode at a point from which cor. No. 4 Tom Payne lode and cor. No. 1 Juarez lode, bears S. 83°30' W., 169.18 ft. dist.
1500.00	Cor. No. 1, and the place of beginning.
CANYON NO. 5 LODE	
Beginning at cor. No. 1 of the Canyon No. 5 lode, identical with cor. No. 1 Canyon No. 3 lode of this survey	
Thence S. 71°37' W.	
121.47	Intersect line 2-3 Black Warrior lode common with line 4-1 Calumet lode both of Sur. No. 2465 at a point from which Cor. No. 3 Black Warrior lode and Cor. No. 4 Calumet lode identical with cor. No. 2 Sur. No. 3367 Juarez lode and cor. No. 3 Sur. No. 3597 Tom Payne lode, bears S 83°04' W., 59.58 ft. dist.
181.36	Intersect line 2-3 Sur. No. 3367 Juarez lode common with line 3-4 Sur. No. 2465 Black Warrior lode at a point from which cor. No. 2 Juarez lode and cor. No. 3 Black Warrior lode identical with cor. No. 3 Sur. No. 3597 Tom Payne lode and cor. No. 4 Sur. No. 2465 Calumet lode, bears N. 11°04' W., 11.92 ft dist.
300.00	Lode line; discovery cut bears N. 18°28' W., 300.00 ft. dist.
600.00	Cor. No. 2, identical with cor. No. 1 Canyon No. 4 lode and on line 4-1 Canyon No. 3 lode both of this survey.
Thence N. 18°28' W.	
100.27	Intersect line 1-2 Sur. No. 3367 Juarez lode, common with line 3-4 Sur. No. 3397 Tom Payne lode at a point from which cor. Nos. 2 and 3 identical with cor. No. 3 Sur. No. 2465 Black Warrior lode and cor. No. 4 Sur. No. 3597 Tom Payne lode, bears N. 83°30' E., 429.52 ft. dist.
694.18	Intersect line 4-1 Sur. No. 3055 Marion lode at a point from which cor. No. 4 bears N. 42°20' E., 25.73 ft. dist.
747.03	Intersect line 3-4 Sur. No. 3055 Marion lode at a point from which cor. No. 4 bears S. 47°36' E., 46.13 ft. dist.
1236.32	Intersect line 3-4 Sur. No. 2605 Chicago lode at a point from which cor. No. 3 bears N. 4°54' E., 136.66 ft. dist.
1242.32	Intersect line 2-3 Sur. No. 3367 Wedge lode at a point from which cor. No. 2 bears N. 10°45' W., 238.02 ft. dist.
1361.63	Intersect line 2-3 Sur. No. 2605 Chicago lode at a point from which cor. No. 3 bears N. 71°23' E., 54.20 ft. dist.
1478.03	Intersect line 1-2 Sur. No. 3367 Wedge lode at a point from which cor. No. 2 bears N. 71°16' E., 31.96 ft. dist.
1492.94	Intersect line 3-4 and 4-1 Sur. Nos. 3367 and 3597 Carrie Nation and Tom Payne lodes at a point from which cors. Nos. 4 and 4 bears S. 11°31' E., 132.34 and 1367.62 ft. dist.
1500.00	Cor. No. 3 identical with cor. No. 4 Canyon No. 4 lode of this survey.

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FEET	
	Thence N. 71°37' E.
0.84	Intersect line 3-4 and 4-1 Sur. No. 3367 and 3597 Carrie Nation and Tom Payne lodes at a point from which cors. Nos. 4 and 4 bears S. 11°31' E., 139.45 and 1374.73 ft. dist.
300.00	Lode line; discovery cut bears S. 18°38' E., 1200.00 ft. dist.
600.00	Cor. No. 4  Set an iron pipe 3 ft. long, 1-1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. C5-4-4557; from which  Cor. No. 2 Sur. No. 3597 Tom Payne lode, identical with cor. No. 3 Sur. No. 2465 Calumet lode bears N. 5°13' E., 7.25 ft. dist.
	No local bearing objects or bearing trees available
	Thence S. 18°28' E.
19.91	Intersect line 2-3 Sur. No. 3597 Tom Payne lode common with line 3-4 Sur. No. 2465 Calumet lode at a point from which cor. No. 4 Calumet lode and cor. No. 3 Black Warrior lode both of Sur. No. 2465 and cor. No. 3 Sur. No. 3597 Tom Payne lode and cor. No. 2 Sur. 3367 Juarez lode bears S. 11°29' E., 1478.96 ft. dist.
1500.00	Cor. No. 1, and the place of beginning.

AREAS

	Acres
Total area, Canyon No. 1 lode	20.661
Area in conflict with	
Sur. No. 1581 Thomas lode	0.069
Sur. No. 2572A Sweepstake lode	9.731
Sur. No. 3367 Colorado lode	0.823
Sur. No. 3367 Colorado lode exclusive of its conflict with Sur. No. 1581 Thomas lode	0.787
Sur. No. 3367 Adventure lode	4.263
Sur. No. 3367 Adventure lode exclusive of its conflict with Sur. No. 2572A Sweepstake lode	3.537
Sur. No. 3367 Juarez lode	2.928
Sur. No. 3367 Juarez lode exclusive of its conflict with (1) Sur. No. 2572A Sweepstake lode (2) Sur. No. 3367 Adventure lode	0.371 2.293
Sur. No. 3367 Juarez lode exclusive of its conflict with Sur. No. 2572A Sweepstake lode and Sur. No. 3367 Adventure lode	0.047
Sur. No. 3381 Prospect lode	1.095
Sur. No. 3381 Wedge lode (No. 2)	0.845
Sur. No. 3381 Satellite No. 2 lode	17.088
Sur. No. 3381 Satellite No. 2 lode exclusive of its conflict with (1) Sur. No. 2572A Sweepstake lode (2) Sur. No. 3367 Colorado lode (3) Sur. No. 3367 Adventure lode (4) Sur. No. 3367 Juarez lode	8.966 16.265 12.825 14.160
Sur. No. 3381 Satellite lode exclusive of its conflict with Sur. No. 2572A Sweepstake lode, Sur. No. 3367 Colorado lode, Sur. No. 3367 Adventure lode, Sur. No. 3367 Juarez lode	4.550
Unapproved Sur. No. 4562 Lava No. 2 lode	0.397

FEET	Acres
Unapproved Sur. No. 4562 Lava No. 2 lode exclusive of its conflict with Sur. No. 3381 Prospect lode	0.000
Unapproved Sur. No. 4562 Lava No. 3 lode	1.492
Unapproved Sur. No. 4562 Lava No. 3 lode exclusive of its conflict with (1) Sur. No. 3381 Prospect lode	0.818
(2) Sur. No. 3381 Wedge No. 2 lode	0.674
Unapproved Sur. No. 4562 Lava No. 3 lode exclusive of its conflict with Sur. No. 3381 Prospect and Wedge No. 2 lodes	0.000
Total Area Canyon No. 2 lode	20.661
Area in conflict with Sur. No. 1581 Thomas lode	0.001
Sur. No. 1581 Contention lode	0.067
Sur. No. 1581 Truman lode	0.001
Sur. No. 3367 Colorado lode	1.657
Sur. No. 3367 Colorado lode exclusive of its conflict with (1) Sur. No. 1581 Thomas lode	1.656
(2) Sur. No. 1581 Contention lode	1.590
(3) Sur. No. 1581 Truman lode	1.656
Sur. No. 3367 Colorado lode exclusive of its conflict with Sur. No. 1581 Thomas lode, Contention lode and Truman lode	1.588
Sur. No. 2465 Black Warrior lode	2.891
Sur. No. 2572A Sweepstake lode	2.833
Sur. No. 2572A Sweepstake lode exclusive of its conflict with Sur. No. 2465 Black Warrior lode	2.009
Sur. No. 3367 Adventure lode	8.263
Sur. No. 3367 Juarez lode	8.275
Sur. No. 3367 Juarez lode exclusive of its conflict with (1) Sur. No. 2572A Sweepstake lode	7.483
(2) Sur. No. 3367 Adventure lode	6.633
Sur. No. 3367 Juarez lode exclusive of its conflict with Sur. No. 2572A Sweepstake lode and Sur. No. 3367 Adventure lode	5.841
Sur. No. 3381 Satellite No. 2 lode	0.005
Sur. No. 3381 Satellite No. 2 lode exclusive of its conflict with (1) Sur. No. 3367 Colorado lode	0.004
(2) Sur. No. 3367 Adventure lode	0.002
(3) Sur. No. 3367 Juarez lode	0.001
Sur. No. 3381 Satellite No. 2 lode exclusive of its conflict with Sur. No. 3367, Colorado lode, Adventure lode and Juarez lode	0.000
Total Area, Canyon No. 3 lode	20.661
Area in conflict with	
Sur. No. 1581 Truman lode	0.067
Sur. No. 2605 Chicago lode	0.139
Sur. No. 2605 Chicago lode exclusive of its conflict with Sur. No. 1581 Truman lode	0.138
Sur. No. 3367 Wedge lode	0.082
Sur. No. 3367 Wedge lode exclusive of its conflict with Sur. No. 2605 Chicago lode	0.081
Sur. No. 3367 Adventure lode	8.131
Sur. No. 3367 Adventure lode exclusive of its conflict with Sur. No. 2605 Chicago lode	8.084
Sur. No. 3367 Colorado lode	1.674
Sur. No. 3367 Colorado lode exclusive of its conflict with Sur. No. 1581 Truman lode	1.648
Sur. No. 3367 Juarez lode	8.282
Sur. No. 3367 Juarez lode exclusive of its conflict with (1) Sur. No. 3367 Adventure lode	7.612
(2) Sur. No. 3367 Wedge lode	8.279
Sur. No. 3367 Juarez lode exclusive of its conflict with Sur. No. 3367 Adventure lode and Wedge lode	7.609
Sur. No. 2465 Calumet lode	0.034

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Sur. No. 2465 Black Warrior	3.000
Total Area Canyon No. 4 lode	20.661
Area in conflict with	
Sur. No. 2605 New York lode	0.078
Sur. No. 2605 Blue Bell lode	1.223
Sur. No. 2605 Chicago lode	11.085
Sur. No. 3055 Marion lode	7.434
Sur. No. 3055 Marion lode exclusive of its conflict with Sur. No. 2605 Chicago lode	1.253
Sur. No. 3367 Carrie Nation lode	1.899
Sur. No. 3367 Carrie Nation lode exclusive of its conflict with Sur. No. 2605 Blue Bell	0.676
Sur. No. 3367 Wedge lode	13.465
Sur. No. 3367 Wedge lode exclusive of its conflict with (1) Sur. No. 2605 Blue Bell lode	13.065
(2) Sur. No. 3367 Carrie Nation lode	12.487
(3) Sur. No. 2605 Chicago lode	6.174
(4) Sur. No. 3055 Marion lode	8.323
(5) Sur. No. 3367 Juarez lode	13.417
(6) Sur. No. 3597 Tom Payne	12.761
Sur. No. 3367 Wedge lode exclusive of its conflict with Sur. No. 2605 Blue Bell and Chicago lodes, Sur. No. 3055 Marion lode, Sur. No. 3367 Carrie Nation and Juarez lodes and Sur. No. 3597 Tom Payne lode	3.226
Sur. No. 3367 Juarez lode	0.474
Sur. No. 3597 Tom Payne lode	2.646
Total Area, Canyon No. 5 lode	20.661
Area in conflict with	
Sur. No. 2605 Chicago lode	0.078
Sur. No. 2465 Black Warrior lode	0.008
Sur. No. 3367 Juarez lode	0.540
Sur. No. 3055 Marion lode	0.014
Sur. No. 3367 Wedge lode	0.086
Sur. No. 3367 Wedge lode exclusive of its conflict with Sur. No. 2605 Chicago lode	0.064
Sur. No. 2465 Calumet lode	3.071
Sur. No. 3597 Tom Payne lode	17.041
Sur. No. 3597 Tom Payne lode exclusive of its conflict with (1) Sur. No. 3055 Marion lode	17.027
(2) Sur. No. 2605 Chicago lode	16.963
(3) Sur. No. 3367 Wedge lode	16.955
Sur. No. 3597 Tom Payne lode exclusive of its conflict with Sur. No. 3055 Marion lode, Sur. No. 2605 Chicago lode and Sur. No. 3367 Wedge lode	16.885
Sur. No. 3367 Carrie Nation lode	0.001
 LOCATION  	
<p>This survey is located in the E 1/2 of sec. 11 and the SW 1/4 of sec. 12, and the NE 1/4 of sec. 14, of T. 3 S., R. 13 E., of the G. &amp; S. R. M.</p>	
<p>The survey of the Canyon No. 1, Canyon No. 2, Canyon No. 3, Canyon No. 4 and Canyon No. 5 lodes is identical with the respective location or amended location as marked on the ground.</p>	



FEET



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FEET

## 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 shaft of the Canyon No. 1 lode, the center of which being the discovery point, is on the lode line 60 ft. from the center of line 2-3; 9 x 8 ft., 8 ft. deep.  
Value, \$288.00
- No. 2 A diamond drill hole, the center of which bears N. 49° E., 7.00 ft. from cor. No. 2 Canyon No. 1 lode; 1125 ft. deep.  
Value, \$8,348.75
- No. 3 A diamond drill hole, the center of which bears N. 84°05' E., 358.00 ft. from cor. No. 3 Canyon No. 1 lode; 652 ft. deep.  
Value, \$4,101.00
- No. 1 The discovery cut of the Canyon No. 2 lode, the face of which being the discovery point, is on the lode line 60 ft. from a point on line 2-3, 300 ft. from cor. No. 2; 45 ft. wide, 8 ft. face, runs N. 70° E., 27 ft. to face.  
Value, \$120.00
- No. 2 A diamond drill hole, the center of which bears N. 87°50' E., 692.00 ft. from cor. No. 3 Canyon No. 2 lode; 847 ft. deep.  
Value, \$5,082.00
- No. 1 The discovery cut of the Canyon No. 3 lode, the face of which being the discovery point, is on the lode line 60 ft. from line 3-4, 300 ft. from cor. No. 3; 35 ft. wide, 10 ft. face, runs East 22 ft. to face.  
Value, \$165.00
- No. 2 A diamond drill hole, the center of which bears N. 79°15' W., 582.00 ft. from cor. No. 2 Canyon No. 3 lode; 742 ft. deep.  
Value, \$4,452.00
- No. 1 The discovery cut of the Canyon No. 4 lode, the face of which being the discovery point is on the lode line 480 ft. from line 1-2, 300 ft. from cor. No. 1; 75 ft. wide, 10 ft. face, runs N. 44° E., 22 ft. to face.  
Value, \$200.00
- No. 2 A diamond drill hole, the center of which bears N. 81°55' W., 212.00 ft. from cor. No. 1 Canyon No. 4 lode; 175 ft. deep.  
Value, \$1,098.00
- No. 3 A diamond drill hole, the center of which bears S. 14°05' E., 403.00 ft. from cor. No. 4 Canyon No. 4 lode; 175 ft. deep.  
Value, \$1,106.00
- No. 1 The discovery cut of the Canyon No. 5 lode, the face of which being the discovery point, is on the lode line 300 ft. from a point on line 1-2, 300 ft. from cor. No. 1; 68 ft. wide, 10 ft. face, runs N. 10° E., 16 ft. to face.  
Value, \$135.00
- No. 2 A diamond drill hole, the center of which bears N. 54°30' W., 315 ft. from cor. No. 1 Canyon No. 5 lode; 576 ft. deep.  
Value, \$3,623.00

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- No. 3 A diamond drill hole, the center of which bears S. 46°30' E., 480 ft. from cor. No. 3 Canyon No. 5 lode; 832 ft. deep. Value, \$5,233.00
- No. 4 A diamond drill hole, the center of which bears S. 2°40' W., 776 ft. from cor. No. 4 Canyon No. 5 lode; 85 ft. deep. Value, \$532.00

## OTHER IMPROVEMENTS

None.

## 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

Survey No. 2572A Sweepstake lode: Cors. Nos. 1, 2, 3, 4 and 5 are 4 x 4 in. posts firmly set and properly mkd. Line 1-2 was found to be N. 45°38' W., 597.30 ft. instead of N. 45°39' W., 596.6 ft. as approved. Line 2-3 was found to be N. 44°43' E., 733.20 instead of N. 44°40.8' E., 733.54 ft. as approved. Line 3-4 was found to be N. 43°26' E., 751.50 ft. instead of N. 43°25' E., 746.46 ft. as approved. Line 4-5 was found to be S. 45°00'30" E., 595.67 ft. instead of S. 45°38' E., 592.1 ft. as approved. Line 5-1 was found to be S. 44°00' W., 1478.12 ft. instead of S. 43°52' W., 1480.00 ft. as approved.

Survey 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°48' W., 990.80 ft. instead of N. 17°52'30" W., 989.40 ft. as approved. Line 2-3 was found to be correct as approved. Lines 3-4 and 4-5 are shown 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.

Survey 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°36'20" E., 465.89 ft. instead of N. 43°32'30" E., 463.18 ft. as approved. Line 3-4 was found to be S. 17°48' E., 1401.00 ft. instead of S. 17°52'30" E., 1399.14 ft. as approved. Line 4-1 was found to be S. 43°42' W., 463.40 ft. instead of S. 43°32'30" W., 463.18 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 ins. diam., 18 ins. in the

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FEET

ground and properly mkd. for cor. No. 4 Sur. No. 1581 Satellite lode and cor. No. 4 Sur. No. 4562 Lava No. 3 lode. Line 2-3 was found to be N.  $71^{\circ}37'$  E., 561.33 ft. instead of N.  $71^{\circ}30'$  E., 600 ft. as approved.

Survey No. 3381 Satellite No. 2 lode: Cors. Nos. 1 and 2 are 4 x 4 in. posts firmly set and properly mkd. Cors. Nos. 3, 4 and 5 are rocks firmly set and properly mkd. Line 1-2 was found to be N.  $18^{\circ}27'30''$  W., 605.70 ft. instead of N.  $18^{\circ}28'$  W., 600 ft. as approved. Line 2-3 was found to be N.  $72^{\circ}03'40''$  E., 1304.44 ft. instead of N.  $71^{\circ}56'$  E., 1316.21 ft. as approved. Line 3-4 was found to be as approved. Line 4-5 was found to be S.  $43^{\circ}36'20''$  W., 422.54 ft. instead of S.  $43^{\circ}32'30''$  W., 423.83 ft. as approved. Line 5-1 was found to be S.  $71^{\circ}37'$  W., 931.14 ft. instead of S.  $71^{\circ}30'$  W., 941.72 ft. as approved.

Survey No. 1581 Thomas lode: Cors. Nos. 1 and 2 are destroyed. Cors. Nos. 3 and 4 are 4 x 4 in. posts firmly set and properly mkd. Line 2-3 shown as approved. Line 3-4 was found to be S.  $18^{\circ}27'30''$  E., 605.70 ft. instead of S.  $18^{\circ}30'$  E., 600.00 ft. as approved. Line 4-1 shown as approved.

Survey No. 1581 Contention lode: Cors. Nos. 1 and 2 were destroyed. Cors. No. 3 and 4 are 4 x 4 in. posts firmly set and properly mkd. Lines 2-3 and 4-1 are shown as approved. Line 3-4 was found to be S.  $18^{\circ}29'$  E., 587.08 ft. instead of S.  $18^{\circ}30'$  E., 600.00 ft. as approved.

Survey No. 1581 Truman lode: Cors. Nos. 1 and 2 are destroyed. Cors. Nos. 3 and 4 are 4 x 4 in. posts firmly set and properly mkd. Lines 2-3 and 4-1 shown as approved. Line 3-4 was found to be S.  $18^{\circ}28'$  E., 603.10 ft. instead of S.  $18^{\circ}30'$  E. 600.00 ft. as approved.

Survey No. 3367 Colorado lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass cap firmly set and properly mkd. Line 1-2 was found to be N.  $71^{\circ}16'$  E., 124.00 ft. instead of N.  $71^{\circ}17'1/2'$  E., 124.00 ft. as approved. Line 2-3 was found to be S.  $17^{\circ}48'$  E., 1500.00 ft. instead of S.  $17^{\circ}43'$  E., 1500.00 ft. as approved. Line 3-4 was found to be S.  $71^{\circ}16'$  W., 124.00 ft. instead of S.  $71^{\circ}17'1/2'$  W., 124.00 ft. as approved. Line 4-1 was found to be N.  $17^{\circ}48'$  W., 1500.00 ft. instead of N.  $17^{\circ}43'$  W., 1500.00 ft. as approved.

Survey No. 3367 Adventure lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass cap firmly set and properly mkd. Line 1-2 was found to be N.  $71^{\circ}16'$  E., 600 ft. instead of N.  $71^{\circ}17'1/2'$  E., 600.00 ft. as approved. Line 2-3 was found to be S.  $17^{\circ}48'$  E., 1500 ft. instead of S.  $17^{\circ}43'$  E., 1500 ft. as approved. Line 3-4 was found to be S.  $71^{\circ}16'$  W., 600.00 ft. instead of S.  $71^{\circ}17'1/2'$  W., 600.00 ft. as approved. Line 4-1 was found to be N.  $17^{\circ}48'$  W., 1500.00 ft. instead of N.  $17^{\circ}43'$  W., 1500.00 ft. as approved.

Survey No. 3367 Juarez lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass cap firmly set and properly mkd. Line 1-2 was found to be N.  $83^{\circ}30'$  E., 598.70 ft. instead of N.  $83^{\circ}31'1/2'$  E., 600.00 ft. as approved. Line 2-3 was found to be S.  $11^{\circ}04'$  E., 1498.60 ft. instead of S.  $11^{\circ}03'$  E., 1500.00 ft. as approved. Line 3-4 was found to be S.  $83^{\circ}37'30''$  W., 597.50 ft. instead of S.  $83^{\circ}31'1/2'$  W., 600.00 ft. as approved. Line 4-1 was found to be N.  $11^{\circ}07'$  W., 1497.40 ft. instead of N.  $11^{\circ}03'$  W., 1500.00 ft. as approved.

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Survey No. 2465 Black Warrior lode: Cors. Nos. 1 and 2 are rocks firmly set and properly mkd. Cor. No. 3 is an iron pipe with brass cap firmly set and properly mkd. Cor. No. 4 a 4 x 4 in. post firmly set and properly mkd. Line 2-3 and 4-1 were found correct as approved. Line 3-4 was found to be S. 11°04' E., 1026.70 ft. instead of S. 11°17' E., 1060.22 ft. as approved.

Survey No. 4562 unapproved Lava No. 2 lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass caps firmly set and properly mkd. Line 1-2 shown as N. 44°00' E., 600.00 ft. Line 4-1 shown as N. 17°28' W., 1460.43 ft.

Survey No. 4562 unapproved Lava No. 3 lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass caps firmly set and properly mkd. Line 1-2 shown as N. 44°00' E., 600.00 ft. Line 2-3 shown as S. 17°28' E., 1460.43 ft.

Sur. No. 2605 New York lode: Cors. Nos. 2, 3, and 4 are rocks firmly set and properly mkd. Lines 2-3 and 3-4 were found to be correct as approved.

Survey No. 2605 Chicago lode: Cors. Nos. 1, 2, 3 and 4 are rocks firmly set and properly mkd. All lines are shown as approved.

Survey No. 3055 Marion lode: Cors. Nos. 1, 2, 3 and 4 are rocks firmly set and properly mkd. Line 2-3 was found to be N. 42°20' E., 1491.00 ft. instead of N. 42°19' E., 1491.35 ft. as approved. Line 3-4 was found to be S. 47°36' E., 592.00 ft. instead of S. 47°39' E., 592.00 ft. as approved. Line 4-1 was found to be S. 42°20' W., 1491.00 ft. instead of S. 42°19' W., 1491.35 ft. as approved.

Survey No. 3367 Wedge lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass caps firmly set and properly mkd. Line 1-2 was found to be N. 71°16' E., 400.00 ft. instead of N. 71°17'30" E., 400.00 ft. as approved. Lines 2-3 and 4-1 were found to be correct as approved. Line 3-4 was found to be S. 71°16' W., 400.00 ft. instead of S. 71°17'30" W., 400.00 ft. as approved.

Survey No. 3397 Tom Payne lode: Cors. Nos. 1, 2, 3 and 4 are iron pipe with brass caps firmly set and properly mkd. Line 2-3 was found to be S. 11°29' E., 1505.66 ft. instead of S. 11°29' E., 1500.00 ft. as approved. Line 3-4 was found to be S. 83°30' W., 598.70 ft. instead of S. 83°32' W., 599.20 ft. as approved. Line 4-1 shown as approved.

Survey No. 2465 Calumet lode: Cor. No. 1 is a rock firmly set and properly mkd. Cors. Nos. 3 and 4 are iron pipe with brass cap firmly set and properly mkd. Line 3-4 was found to be S. 11°29' E., 1505.66 ft. instead of S. 11°31' E., 1504.77 ft. as approved. Line 4-1 was found to be N. 83°04' E., 460.38 ft. instead of N. 83°04' E., 454.5 ft. as approved.

Survey No. 2605 Blue Bell lode: Cors. Nos. 1, 3 and 4 are rocks firmly set and properly mkd. Line 3-4 was found to be S. 5°07' W., 440.00 ft. instead of S. 4°54' W., 441.16 ft. as approved. Line 4-1 shown as approved.

SURVEY NO. 4557

18.

FEET

Survey No. 3367 Carrie Nation lode: Cors. Nos. 1, 3 and 4 are iron pipe with brass caps firmly set and properly mkd. Lines 3-4 shown as approved. Line 4-1 was found to be S. 71° 23' W., 1500.00 ft. instead of S. 71°17'30" W., 1500.00 ft. as approved.

Survey No. 1581 Saturn lode: Cor. No. 2 and Cor. No. 3 are 4 x 4 in. posts. Line 2-3 was found to be N. 71°37' E. instead of N. 71°30' E. as approved.

FIELD ASSISTANTS

Name	Capacity
Lee Cook	Chairman
W. H. Martin	Chairman

FEET



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

June 22, 1964

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 Canyon No. 1, Canyon No. 2, Canyon No. 3, Canyon No. 4, Canyon No. 5  
(Lode, placer, or mill site)  
 situate in Mineral Creek Mining District, Pinal County, Secs. 11, 12 and 14  
T. 3 South, R. 13 East, G. & S. R. Meridian, Arizona, and  
(State)  
 designated as Survey No. 4557, 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.

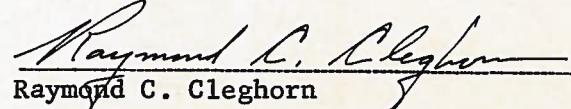
Globe, Arizona  
(Place)

  
Oscar T. Smith  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management  
Arizona State Office  
(Office)  
Phoenix, Arizona October 16, 1964  
(Place) (Date)

The foregoing field notes of mineral survey No. 4557, in Sections 11, 12 and 14  
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  
 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 SURVEY

June 11, 1901

GEORGE T. SMITH

Section 10, Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona

March 20, 1901

Government of Arizona

George T. Smith, of the County of Pinal, State of Arizona, claims the following described land as his own, to-wit:

Section 10, Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona

Containing 36.00 acres, more or less, as shown on the plat of survey filed for record in the office of the County Clerk of Pinal County, Arizona, on the 11th day of June, 1901.

The above described land is situated in the Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona, and is bounded on the north by the Township 11 North, on the east by the Range 11 East, on the south by the Township 9 North, and on the west by the Range 9 East.

Arizona

CERTIFICATE OF APPROVAL

Survey of Land Management  
Bureau of Land Management

Section 10, Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona

Section 10, Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona

Section 10, Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona

George T. Smith

The above described land is situated in the Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona, and is bounded on the north by the Township 11 North, on the east by the Range 11 East, on the south by the Township 9 North, and on the west by the Range 9 East.

Survey of Land Management

Bureau of Land Management

CERTIFICATE OF RECORD

The above described land is situated in the Township 10 North, Range 10 East, Tenth Principal Meridian, Arizona, and is bounded on the north by the Township 11 North, on the east by the Range 11 East, on the south by the Township 9 North, and on the west by the Range 9 East.