

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4314

PHOENIX Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

CORONADO COPPER AND ZINC COMPANY

Known As The

A-Number One, A-Number Two, Cochise, Rough Rider, Tenderfoot,
Louise, Fraction, Chicago, Acorn, United Fraction, Johnson,
Copper Thread and Little Johnnie lodes,

Cochise Mining District,

Cochise County, Arizona

Sections 23, 25 and 26, Township No. 15 S., Range 22 East, G. and S. R. M.

Surveyed under instructions dated December 4th, 1947

by Edward L. Haff
U. S. Mineral Surveyor.

Claim located see back of this sheet, 19

Survey commenced December 8th, 1947

Survey completed February 14th, 1948

Address of claimant 1218 Pacific Mutual Bldg.,
Los Angeles, California

DATES OF AMENDED LOCATIONS

October 17, 18 and 19th, 1947 and

November 17th, 1947

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
GENERAL LAND OFFICE
WASHINGTON, D. C.

DATES OF ORIGINAL LOCATION

A-Number One lode	January 7th, 1892
A-Number Two lode	January 7th, 1892
Cochise lode	January 1st, 1902
Rough Rider lode	January 1st, 1902
Tenderfoot lode	January 1st, 1905
Louise lode	February 14, 1905
Fraction lode	January 1st, 1905
Chicago lode	January 16th, 1905
Acorn lode	February 25th, 1905
United Fraction lode	July 28th, 1909
Johnson lode	September 19th, 1927
Copper Thread lode	September 8, 1927
Little Johnmie lode	December 15th, 1927

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This survey was made with a C. L. Berger and Sons No. 2 transit, with horizontal limb 5.65 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., edge graduation, having two double verniers; the verniers read to one minute of arc; the eyepiece is equipped with a colored glass 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, or direct bearings, referred to the meridian determined by the following observation:

February 8, 1948, at Sta. 1 of the survey, identical with the N. E. Cor. Sur. No. 284 Highland Mary lode, back sight on S. W. Cor. Highland Mary lode, 600 ft. S. W. in latitude $32^{\circ}06' N.$, and longitude $110^{\circ}04' W.$ See U. S. Department of the Interior Geological Survey, Arizona (Cochise County) Dragoon Quadrangle. 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 the center of the sun, and reading the horizontal angle from a reference point about 600 ft. southwestward, S. W. to the sun.

Mean time of observation, 105th meridian

standard time = 3 P. M.

Declination of sun at mean time of obser-

vation = $15^{\circ}06'30'' N.$

Mean observed vertical angle to sun's

center = $32^{\circ}24'$

Mean horizontal angle from reference

point to sun's center = $11^{\circ}16' S.W.$

True bearing to reference point = $S. 29^{\circ}04' W.$

True bearing to center of sun = $S. 40^{\circ}20' W.$

The lines were measured with a one-eighth inch standard steel tape 500 feet in length, graduated, to feet, tenths, and hundredths for the first and last 5 feet and the remainder at intervals of 5 feet, and a Keuffel and Esser steel tape 100 ft. in length, graduated to feet, tenths, and hundredths; both tapes were compared with a U. S. standard tape at the time of beginning the survey, and found to be 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, as shown by the calculation sheets herewith submitted.

The magnetic declination observed at each corner of the survey gave a uniform value of $15^{\circ}30' E.$

Survey No. 4314

Feet

A-NUMBER ONE LODE

Beginning at Cor. No. 1 of the A-Number One lode, identical with Cor. No. 1 A-Number Two lode of this survey, Cor. No. 6, Sur. No. 3242 Southern Cross lode, and on line 1-2 Sur. No. 3242 Blue Lead Extension lode, Claimant herein.

Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground and in a mound of earth and stone with an iron cap mkd. S.C. 6-3242, A-No. ONE and A-No. TWO-1-1-4314 from which

The 1/4 Cor. between Sections 23 and 26, T. 15 S., R. 22 E., G. and S.R.M., bears $N. 70^{\circ}45'10'' W.$ 1231.55 ft. dist.

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	<p>A lime stone 8x10x26 ins., firmly set in a mound of earth and stone, marked and witnessed as described in the official record.</p> <p>Cor. No. 2 Sur. No. 3242 Blue Lead Extension/^{lode} claimant herein, bears S. 63°52' E. 13.90 ft. dist.</p> <p>A cross (x) chiseled on limestone bedrock, even with the general surface, bears N. 72°38' W. 15.40 ft. dist., mkd. x-B.R. - A-No. One, - A-No. Two, - 1-1-4314 and S.C.-6-3242.</p> <p>A cross (x) chiseled on limestone bedrock, even with the general surface, bears S. 0°54' E. 5.76 ft. dist. mkd. x - B.R. - A-No. One - A-No. Two - 1-1-4314, and S. C. - 6-3242.</p> <p>Thence N. 17°08' E.</p>
20.	Bed of dry gulch 10 ft. wide, course N. 78° E.
945.	Center of road, bears N. 65° E. and S. 65° W.
1150.	Bed of dry gulch, 8 ft. wide, course N. 80° E.
1308.50	Intersect line 1-2 Sur. No. 1717 Copper Bell lode, claimant unknown, at a point from which Cor. No. 1 bears S. 51° 05' W. 117.05 ft. dist. Also Cor. No. 5 Sur. No. 3242 Southern Cross lode.
1500.	<p>Cor. No. 2.</p> <p>Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. A-No. One - 2-4314; from which</p> <p>Cor. No. 1 Sur. No. 1717 Copper Bell lode bears S. 29°53' W. 295.94 ft. dist.</p> <p>Thence S. 69°32' E.</p>
124.32	Intersect line 1-2 Sur. No. 1717 Copper Bell lode, at a point from which Cor. No. 1 bears S. 51°05' W. 339.15 ft. dist.
270.	Lode line; discovery point bears S. 17°08' W. 220 ft. dist.
570.	<p>Cor. No. 3.</p> <p>Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap mkd. A-No. One, - 3-4314.</p> <p>No local bearing objects available.</p> <p>Thence S. 17°08' W.</p>
70.	Center of old road, bears N. 63° E. and S. 63° W.
410.	Center of road and dry gulch, 12 ft. wide; the road bears S. 51° E. and N. 51° W. The dry gulch, course S. 28° E.
1250.	Center of dry gulch 15 ft. wide, course N. 72° E.
1341.14	Intersect line 1-2 Copper Thread lode of this survey.
1500.	Cor. No. 4, identical with Cor. No. 2, A-Number Two lode of this survey.

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44.90	Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground and in a mound of earth and stone with an iron cap, mkd. A - No. One - 4 - A-No. Two - 2-4314.
140.	No. local bearing objects available.
	Thence N. 69°32' W.
140.	Intersect line 4-1 Copper Thread lode of this survey.
140.	Center of dry gulch 10 ft. wide, course N. 39° E.
300.	Lode line; discovery point, bears N. 17°08' E. 1280. ft. dist.
570.	Cor. No. 1 and place of beginning.
A-NUMBER TWO LODE	
	Beginning at Cor. No. 1 of the A-Number Two lode, identical with Cor. No. 1 of the A-Number One lode of this survey.
	Thence S. 69°32' E.
300.	Lode line; discovery point bears S. 30°02' W. 1020 ft. dist.
430.	Center of dry gulch 10 ft. wide, course N. 39° E.
525.10	Intersect line 4-1 Copper Thread lode of this survey.
570.	Cor. No. 2, identical with Cor. No. 4, A-Number One lode of this survey.
	Thence S. 30°02' W.
610.	Center of road, 20 ft. wide, bears S. 57° E. and N. 57° W.
1346.08	Intersect lines 3-4 and 1-2 Copper Thread and Little Johnnie lodes of this survey.
1400.	Cor. No. 3.
	Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground and in a mound of earth and stone, with an iron cap, mkd. A-No. Two - 3-4314.
	No local bearing objects available.
	Thence N. 69°32' W.
130.	Center of road, bears S. 11° E. and N. 11° W.
270.	Lode line; discovery point bears, N. 30° 02' E. 380. ft. dist.
527.56	Intersect line 2-3 Sur. No. 3242 Esmeralda lode, claimant herein, at a point from which Cor. No. 2 bears N. 25° 11' E. 494.66 ft. dist.
570.	Cor. No. 4.
	Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground and in a mound of earth and stone, with an iron cap, mkd. A-No. Two - 4-4314 from which

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Feet	Cor. No. 3 Sur. No. 3242 Esmeralda lode bears S. 2°40' W. 110.30 ft. dist. Thence N. 30°02' E.
163.37	Intersect line 1-2 Little Johnnie lode of this survey.
499.94	Intersect lines 1-2 and 3-4 Sur. No. 3242 Esmeralda and Dwarf lodes, claimant herein, at a point from which Cor. No. 2 Esmeralda lode, bears S. 63°52' E. 0.26 ft. and Cor. No. 3, Dwarf lode bears S. 63°52' E. 50.93 ft. dist.
920.	Center of road, 10 ft. wide, bears S. 23° E. and N. 23° W. 70. ft. to road junction.
950.	Center of road, 20 ft. wide, bears S. 53° E. and N. 53° W. 60 ft. to road junction.
1101.25	Intersect lines 1-2 and 3-4 Sur. No. 3242 Dwarf and Blue Lead Extension lodes, at a point from which Cor. Nos. 2 and 3 bears S. 63°52' E. 0.26 ft. dist.
1400.	Cor. No. 1 and place of beginning.

COCHISE LODGE

	Beginning at Cor. No. 1, of the Cochise lode, identical with the S. E. Cor. Sur. No. 285 Copper King lode, claimant herein,
	Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C.-1-4314 and S. E. 285 - C. K. from which
	The $\frac{1}{4}$ Cor. between Sections 25 and 26, T. 15 S., R. 22 E., G. and S.R.M., bears S. 65°38' E. 269.89 ft. dist.
	A lime stone 10x12x26 ins., firmly set, in the ground and in a mound of stone, marked and witnessed as described in the official record.
	Thence N. 29°12' E.
34.83	Intersect line 4-1 Rough Rider lode of this survey.
110.	Bed of dry creek, 20 ft. wide, course S. 60° E.
300.	Lode line; discovery point, bears S. 60°48' E. 840 ft.
508.	Intersect Southerly line of Sur. No. 284 Highland Mary lode, claimant herein, at a point from which the S. E. Cor. bears S. 60°48' E. 1240 ft. dist.
600.	Cor. No. 2, identical with the N. E. Cor. Sur. No. 285 Copper King lode.
	Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground and in a mound of earth and stone, with an iron cap, mkd. C-2-4314 and N. E. Cor. 285-C.K.
	Thence S. 60°48' E.
1204.32	Intersect line 1-2-Louise lode of this Survey.

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1239.79	Intersect East end line Sur. No. 284 Highland Mary lode, at a point from which the S. E. Cor. bears S. 29°04' W. 92 ft. dist.
1467.93	Intersect West end line of the Gingham No. 1 lode, unsurveyed, claimant unknown, at a point from which the S. W. Corner bears S. 24°00' W. 354.90 ft. dist.
1500.	Cor. No. 3 on line 4-1 Louise lode of this survey. Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C-3-4314. Thence S. 29°12' W.
1600.	Bed of dry creek, 25' wide, course S. 55° E.
300.	Lode line; discovery point bears N. 60°48' W. 660 ft. dist.
353.52	S. W. Cor. Gingham No. 1 lode, unsurveyed, and intersect line 1-2- Fraction lode of this survey.
520.27	Intersect line 1-2 Acorn lode of this survey.
600.	Cor. No. 4, identical with Cor. No. 5 Fraction lode of this survey. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C-4, -F-5, - 4314. Thence N. 60°48' W.
1290.53	Intersect line 1-2 Rough Rider lode, of this survey.
1315.80	Intersect line 4-1 Acorn lode, of this survey.
1500.	Cor. No. 1 and place of beginning.
	ROUGH RIDER LODE
	Beginning at Cor. No. 1 of the Rough Rider lode. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. R. R. 1-4314; from which The 1/4 Cor. between Sections 25 and 26, T. 15. S., R. 22 E., G. and S.R.M., bears S. 75°20' E. 60.47 ft. dist., previously described. Cor. No. 1 Cochise lode of this survey, bears N. 62°49' W. 210.46 ft., previously described. Thence S. 36°37' W.
7.47	Intersect line 4-1 Cochise lode, of this survey.
21.75	Cor. No. 1 Sur. No. 2764 Mayflower lode, claimant unknown, a pine post 4 ins. sq., 2 ft. above ground, and in a mound of earth and stone, mkd. M.F. 1-2764.
120.	Lode line; discovery point bears N. 53°24' W. 225. ft. dist.
200.	Cor. No. 2, identical with the N. E. Corner of Sur. No.

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Feet	324 Republic lode, claimant herein, Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement, in the ground, and in a mound of earth and stone, with an iron cap mkd. N.E. Cor. 324 - Republic and R.R. - 2-4314. Thence N. 53°24' W.
36.91	Intersect line 4-1 Acorn lode of this survey.
620.	Center of road, bears S. 21° E. and N. 21° W.
770.	Center of road, bears N. 56° E. and S. 56° W.
1500.	Cor. No. 3, on the southerly side line of Sur. No. 285 Copper King lode, at a point from which the S.W. Cor. bears N. 60°42' W. 197. ft. dist., and the S.E. Corner bears S. 60°42' E. 1303. ft. dist.; also, identical with the N. W. Cor. of Sur. No. 324 Republic lode and Cor. No. 2 Little Johnnie lode of this survey. Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. N.W. Cor. 324 - Republic, L.J.-2, -R.R.-3-4314. No local bearing objects available. Thence N. 36°37' E.
80.	Lode line; discovery point bears S. 53°24' E. 1275. ft. dist.
100.	Bed of dry creek, 18 ft. wide, course S. 83° E.
200.	Cor. No. 4. Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap mkd. R.R. - 4-4314. No local bearing objects available. Thence S. 53°24' E.
180.	Bed of dry creek, 18 ft. wide, course S. 80° E.
220.	Center of road, bears N. 10° W. and S. 40° E.
1287.78	Intersect line 1-2-Cochise lode of this survey.
1475.62	Intersect line 4-1 Acorn lode of this survey.
1500.	Cor. No. 1 and place of beginning.

TENDERFOOT LODGE

Beginning at Cor. No. 1 of the Tenderfoot lode.
Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. T-1-4314; from which
The 1/4 Cor. between Sections 25 and 26, T. 15 S., R. 22 E., G. and S.R.M. bears N. 35°08' E. 620.72 ft. dist., previously described.

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Feet	
	<p>Cor. No. 5 Sur. No. 2764 Mayflower lode, bears N. 73° 05' 30" W. 76.64 ft. dist.</p> <p>The S. E. Cor. of Sur. No. 324 Republic lode bears S. 56°15'50" W. 214.59 ft. dist.</p> <p>Thence S. 58°30' W.</p>
42.02	N. W. Cor. Sur. No. 326 Chicora lode, claimant herein, and intersect line 4-5 Sur. No. 2764 Mayflower lode at a point from which Cor. No. 5 bears N. 40°18' W. 58.01 ft. dist.
193.62	Intersect the East end line of Sur. No. 324 Republic lode at a point from which the S. E. Corner bears S. 36°37' W. 22.44 ft. dist.
217.81	Intersect Southerly side line of Sur. No. 324 Republic lode at a point from which the S. E. Cor. bears S. 53° 24' E. 9.01 ft. dist.
240.	Lode line; discovery point bears N. 53°24' W. 15 ft. dist.
477.	Center of road, bears N. 13° W. and S. 13° E.
563.33	Cor. No. 2.
	<p>On N. W. end line Sur. No. 326 Chicora lode, at a point from which the S. W. Cor. bears S. 58°30' W. 36.19 ft. dist.</p> <p>Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement, in the ground, and in a mound of earth and stone, with an iron cap, mkd. T.-2-4314.</p> <p>No local bearing objects available.</p> <p>Thence N. 53°24' W.</p>
500.10	Intersect Southerly end line of Sur. No. 325 Golden Shield lode, claimant herein, at a point from which the S. E. Cor. bears N. 55°36' E. 199.29 ft. dist.
1100.	Cor. No. 3.
	<p>Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground and in a mound of earth and stone, with an iron cap, mkd. T, - 3-4314, from which</p> <p>The S. E. Cor. Sur. No. 325 Golden Shield lode bears S. 69°18' E. 690.63 ft. dist.</p> <p>Thence N. 58°30' E.</p>
323.33	Lode line; discovery/bears S. 53°24' E. 1085. ft. dist.
345.55	Intersect South side line Sur. No. 324, Republic lode, at a point from which the S. E. Cor. bears S. 53°24' E. 1109.02 ft. dist.
395.10	Intersect N. E. side line Sur. No. 325 Golden Shield lode, at a point from which the S. E. Cor. bears S. 34°24' E. 547.23 ft. dist. and 141.20 ft. from its intersection with South side line Sur. No. 324 Republic lode.
547.0	Witness Corner for Cor. No. 4.
	<p>Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap mkd. W.C. - T - 4-4314.</p>

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Survey No. 4314

Feet	
563.33	Point for Cor. No. 4 not set as it falls inside of a miner's house, where a corner could not be established, from which
	The S. W. Cor. Sur. No. 324 Republic lode, bears N. 76°24' W. 513.63 ft. dist.
	Thence S. 53°24' E.
150.	Center of road, bears S. 16° E. and N. 16° W. 50 ft. to road junction.
1027.85	Intersect East end line of Sur. No. 324 Republic lode and line 5-1-Sur. No. 2764 Mayflower lode, at a point from which Cor. No. 5 Sur. No. 2764 Mayflower lode bears S. 36°37' W. 25.82 ft. dist. and the S. E. Cor. of Sur. No. 324, Republic lode, bears S. 36°37' W. 202.07 ft. dist.
1100.	Cor. No. 1 and place of beginning.
LOUISE LODGE	
Beginning at Cor. No. 1 of the Louise lode, identical with the S. E. Cor. of Sur. No. 284 Highland Mary lode.	
Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. S.E. Cor. Sur. No. 284, H.M. and L-1-4314, from which	
The 1/4 Cor. between Sections 25 and 26, T. 15 S., R. 22 E., G. and S.R.M., bears N. 87°21' W. 1085.54 ft. dist., previously described.	
Thence N. 8°00' E.	
98.66	Intersect line 2-3 Cochise lode of this survey.
495.	Center of road, 20 ft. wide, bears N. 68° W. and S. 68° E.
643.55	Intersect North Side line Sur. No. 284 Highland Mary lode, at a point from which the N.E. Cor. bears S. 60°48' E. 231.33 ft. dist., also line 4-1-United Fraction lode of this survey.
876.07	Cor. No. 2.
Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. L - 2-4314.	
Thence S. 80°17' E. point	
85.	Lode line; discovery/bears S. 8°00' W. 696.07 ft. dist.
315.43	Cor. No. 3, identical with Cor. No. 3 United Fraction lode of this survey, the N.W. Cor. Gingham No. 2 lode, unsurveyed, claimant unknown, and on the South side line Gingham No. 3 lode, unsurveyed, claimant unknown.
Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. L - 3 - U.F. - 3-4314 and N.W.G. No. 2, from which	

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Feet

- The S.W. Cor. Gingham No. 2 lode, unsurveyed, bears S. 27°28'20" W. 622.26 ft. dist., and the S.W. Cor. Gingham No. 3 lode, unsurveyed, bears N. 73°03' W. 1008.43 ft. dist.
- Thence S. 8°00' W.
450. Center of road, 20 ft. wide, bears S. 68° E. and N. 68° W.
- 620.46 N. W. Cor. Gingham No. 1 lode, unsurveyed, claimant unknown, and intersect South side line Gingham No. 2 lode, unsurveyed, at a point from which the S.W. Cor. bears N. 72°45' W. 210.17 ft. dist.
- 876.07 Cor. No. 4.
- Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. - L - 4-4314.
- Thence N. 80°17' W.
- 399.64 Cor. No. 3 Cochise lode of this survey.
- 72.70 Intersect West end line Gingham No. 1 lode, unsurveyed, at a point from which the N. W. Cor. bears N. 24°00' E. 263.65 ft. dist., and the S. W. Cor. bears S. 24°00' W. 343.90 ft. dist.
- 230.43 Lode line; discovery bears N. 8°00' E. 180 ft. dist.
- 315.43 Cor. No. 1 and place of beginning.

FRACTION LODE

- Beginning at Cor. No. 1 of the Fraction lode, not set as it falls on the inside wall of a tailings pond dam, where a permanent corner could not be established, from which
- The 1/4 Cor. between Sections 25 and 26, T. 15 S., R. 22 E., G. and S.R.M. bears N. 71°01'50" W. 1199.10 ft. dist., previously described.
- Witness Corner for Cor. No. 1, bears S. 16°59' W. 67.31 ft. dist.
- Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap mkd. W.C. - F - 1-4314.
- Thence S. 72°45' E., from true point
- 52.14 S. W. Cor. Gingham No. 1 lode, unsurveyed, and intersect line 3-4 Cochise lode, of this survey.
- 511.24 Cor. No. 2, on South side line Gingham No. 1 lode, unsurveyed.
- Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. F. - 2-4314.
- Thence S. 16°59' W.
- point
- 150.24 Lode line; discovery bears N. 59° W. 115. ft. dist.

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Feet 450.42	<p>Cor. No. 3.</p> <p>Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. F-3-4314.</p> <p>No local bearing objects available.</p> <p>Thence N. 35°36' W.</p>
360.28	<p>Cor. No. 4, identical with Cor. No. 2 Acorn lode of this survey.</p> <p>Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. F.-4- A.-2-4314.</p> <p>Thence N. 74°56' W.</p>
225.31	<p>Cor. No. 5, identical with Cor. No. 4, Cochise lode of this survey, previously described.</p> <p>Thence N. 16°59' E.</p>
83.66 173.72 216.08	<p>Intersect line 1-2 Acorn lode of this survey.</p> <p>Witness Cor. for Cor. No. 1, hereinbefore described.</p> <p>Lode line; discovery bears S. 59°E. 411.92 ft. dist.</p>
241.03	<p>Cor. No. 1 and place of beginning.</p>
CHICAGO LODGE	
	<p>Beginning at Cor. No. 1 of the Chicago lode.</p> <p>Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C-1-4314, from which</p> <p>The 1/4 Cor. between Sections 25 and 26, T. 15 S., R. 22 E., G. and S.R.M. bears S. 4°24'30" W. 1261.57 ft. dist., previously described.</p> <p>Thence N. 30°30' E.</p>
256.63	<p>Intersect line 1-2 United Fraction lode of this survey.</p>
845.	<p>Bed of dry gulch, 10 ft. wide, course N. 55° E.</p>
1089.	<p>Cor. No. 2.</p> <p>Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C-2-4314.</p> <p>No local bearing objects available.</p> <p>Thence S. 73°34' E.</p>
75.	<p>Bed of dry gulch, 10 ft. wide, course N. 33° E.</p>
274.76	<p>Lode line; discovery ^{point} bears S. 31°52' W. 920 ft. dist.</p>
537.76	<p>Cor. No. 3.</p> <p>Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C-3-4314.</p>

Survey No. 4314

Feet	
48.81	No local bearing objects available.
	Thence S. 31°52' W.
561.46	N. W. Cor. Gingham No. 3 lode, unsurveyed,
947.12	Intersect line 2-3 United Fraction lode of this survey.
1096.40	Cor. No. 4, on west end line Gingham No. 3. lode, un-
	surveyed.
	Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in
	cement in the ground, and in a mound of earth and stone,
	with an iron cap, mkd. C-4-4314, from which
	The S. W. Cor. Gingham No. 3 lode, unsurveyed, bears
	S. 31°52' W. 65.06 ft. dist.
	Thence N. 73°34' W.
263.	Lode line; discovery/bears N. 31°52' E. 176.40 ft. dist.
510.79	Cor. No. 1 and place of beginning.
	ACORN LODE
	Beginning at Cor. No. 1 of the Acorn lode.
	Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in
	cement in the ground, and in a mound of earth and stone,
	with an iron cap, mkd. - A-1-4314, from which
	The 1/4 Cor. between Sections 25 and 26, T. 15 S.
	R. 22 E., G. and S.R.M. bears S. 17°48'40" W. 207.12
	ft. dist., previously described.
	Cor. Nos. 4-5 Cochise and Fraction lodes of this sur-
	vey, bears S. 50°44' E. 1291.50 ft. dist.
	Thence S. 54°15' E.
300.	Bed of dry creek, 20 ft. wide, course S. 80° E.
1262.16	Intersect line 4-1 Fraction lode of this survey.
1279.98	Intersect line 3-4 Cochise lode, of this survey.
1500.	Cor. No. 2, identical with Cor. No. 4 Fraction lode of
	this survey, previously described.
	Thence S. 40°12' W.
298.91	Lode line; discovery/bears N. 54°15' W. 700 ft. dist.
598.91	Cor. No. 3.
	Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in
	cement in the ground, and in a mound of earth and stone,
	with an iron cap, mkd. A-3-4314, from which
	Cor. No. 2 Sur. No. 2764 MayFlower lode, bears N. 33°
	20' W. 47.15 ft. dist.
	Thence N. 54°15' W.
44.30	Intersect line 2-3 Sur. No. 2764 MayFlower lode, at a

Survey No. 4314

Feet	
	point from which Cor. No. 2 bears N. 36°37' E. 16.84 ft. dist.
1451.87	Intersect S. E. end line Sur. No. 324, Republic lode and line 5-1 Sur. No. 2764 MayFlower lode at a point from which the N. E. Cor. Sur. No. 324 Republic lode bears N. 36°37' E. 178.34 ft. dist. and Cor. No. 1 Sur. No. 2764, MayFlower lode, bears N. 36°37' E. 356.59 ft. dist.
1500.	Cor. No. 4. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. A-4-4314. Thence N. 40°12' E.
179.41	Intersect the North side line Sur. No. 324, Republic lode, at a point from which the N. E. Cor. bears S. 53°24' E. 36.91 ft. dist.; also intersect line 2-3 Rough Rider lode of this survey.
300.00	Lode line: Discovery point bears S. 54° 15' E 800 ft. dist.
369.06	Intersect line 4-1 Cochise lode of this survey.
379.81	Intersect line 4-1 Rough Rider lode of this survey.
480.	Bed of dry creek 18 ft. wide, course S. 62° E.
598.91	Cor. No. 1 and place of beginning.
UNITED FRACTION LODE	
	Beginning at Cor. No. 1 of the United Fraction lode, Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. U.F.-1-4314, from which The 1/4 Corner between Sections 25 and 26, T. 15 S., R. 22 E., G. and S.R.M., bears S. 3°30'10" E. 1289.77 ft. dist., previously described. Thence N. 57°57' E. point
40.	Lode line; discovery/bears S. 60°48' E. 80 ft. dist.
54.25	Intersect North side line Sur. No. 329, Tycoon lode, claimant herein, at a point from which the N. E. corner bears S. 42°05' E. 148.23 ft. dist.
361.06	Intersect line 1-2 Chicago lode of this survey.
367.26	Cor. No. 2. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. U.F.-2-4314, from which Cor. No. 1 Chicago lode of this survey, bears S. 31° 08' W. 262.07 ft. dist. Thence S. 60°48' E. line
496.31	Intersect West end/Gingham No. 3 lode, unsurveyed, at a point from which the S. W. Corner bears S. 31°52' W. 214.34 ft. dist.; also line 3-4 Chicago lode of this survey.

Survey No. 4314

Feet	
1471.78	Cor. No. 3, identical with Cor. No. 3, Louise lode, of this survey, previously described. Thence S. 57°57' W. point
327.26	Lode line; discovery/bears N. 60°48' W. 1391.78 ft. dist.
367.26	Cor. No. 4 on North side line Sur. No. 284, Highland Mary lode, at a point from which the N. E. Corner, bears S. 60°48' E. 194.70 ft. dist. Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone with an iron cap, mkd. U.-F.-4-4314. Thence N. 60°48' W.
36.63	Intersect line 1-2 Louise lode of the survey.
1305.30	N.W. Cor. Sur. No. 284, Highland Mary, and N. E. Cor. Sur. No. 329, Tycoon lodes.
1471.78	Cor. No. 1 and place of beginning.

JOHNSON LODE

	Beginning at Cor. No. 1, identical with S. W. Cor. Sur. No. 284, Highland Mary, and S. E. Cor. Sur. No. 329 Tycoon lodes. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in ground, and in a mound of earth and stone, with an iron cap, Mkd. S.W. Cor. -H.M.-284-S.E. Cor. T-329 and J-1-4314, from which The 1/4 Cor. between Sections 25 and 26, T. 15 S., R. 22 E., G. & S.R.M. bears S. 18°15'50" E. 717.86 ft. dist. The N. W. Cor. Sur. No. 284, Highland Mary, and N. E. Cor. Sur. No. 329, Tycoon lodes, bears N. 29°04' E. 600. ft. dist. The S. W. Cor. Sur. No. 329, Tycoon lode, bears N. 42°05' W. 1317. ft. dist. Thence N. 56°26'10" W.
200.	Center road, 20 ft. wide, bears S. 77° W. and N. 77° E.
1217.79	Intersect line 2-3 Copper Thread lode of this survey.
1243.62	Cor. No. 2, identical with N. W. Cor. Sur. No. 285, Copper King lode, hereinafter described. Set an iron post, 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. N.W. Cor. -C.K.-284 and J-2-4314, from which The S. W. Cor. Sur. No. 285, Copper King lode, bears S. 29°12' W. 600 ft. dist. Thence N. 28°00'30" E.
145.	Road, 20 ft. wide, bears N. 57° W. and S. 57° E.

Survey No. 4314

190.	Feet Lode line; discovery/ ^{point} bears S. 56°26'10" E. 125 ft. dist.
328.35	Cor. No. 3, identical with S. W. Cor. Sur. No. 329, Tycoon lode. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in ground, and in a mound of earth and stone, with an iron cap, mkd. S.W. Cor. T.-329 and J.-3-4314, from which The N. W. Cor. Sur. No. 329, Tycoon lode, bears N. 29° 04' E. 600 ft. dist. Thence S. 56°26'10" E.
37.45	Intersect ^{line} /2+3 Copper Thread lode of this survey.
920.	Road, 20 ft. wide, bears N. 72° W. and S. 72° E.
1243.62	Cor. No. 4. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in ground, and in a mound of earth and stone, with an iron cap, mkd. J-4-4314.
	No local bearing objects available. Thence S. 28°00'30" W.
130.	Road, 20 ft. wide, bears S. 89° W. and S. 88° E.
138.35	Lode line; discovery/ ^{point} bears N. 56°26'10" W. 1118.62 ft. dist.
235.89	Intersect North side line Sur. No. 285, Copper King lode, at a point from which the N. W. Cor. bears N. 60°42' W. 1237.94 ft. to the N. W. Cor. and 272.25 ft. to its intersection with the South side line of Sur. No. 329, Tycoon lode at N. 42°05' W. 289.64 ft. dist. from the S. E. Cor. of Sur. No. 329, Tycoon lode.
328.35	Cor. No. 1 and place of beginning.
COPPER THREAD LODE	
	Beginning at Cor. No. 1 Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C.-T.-1-4314, from which The 1/4 Cor. between Sections 23 and 26, T. 15. S., R. 22 E., G. and S.R.M., bears N. 75°30'10" W. 1793.12 ft. dist., previously described. Cor. Nos. 4-2-A-Number One and A-Number Two lodes of this survey, bears S. 14°06' W. 161.27 ft. dist. Thence S. 58°28' E.
8.82	Intersect line 3-4 A-Number One lode of this survey.
72.81	Intersect West end line Sur. No. 329, Tycoon lode, at a point from which the N. W. Corner bears N. 29°04' E. 19.54 ft. dist.
80.00	Lode line; discovery/ ^{point} bears S. 30°02' W. 1260 ft. dist.

Survey No. 4314

Feet 120.00	Cor. No. 2. Set an iron post 42 ins. long, 2 ins. diam., 24 ins., in cement in ground, and in a mound of earth and stone, with an iron cap, mkd. C.-T.-2-4314, from which The N. W. Cor. Sur. No. 329, Tycoon lode, bears N. 36° 21' W. 51.84 ft. dist. Thence S. 30° 02' W.
581.46	Intersect line 3-4, Johnson lode, of this survey.
591.21	Intersect South side line Sur. No. 329, Tycoon lode, at a point from which the S. W. Cor. bears N. 42° 05' W. 39.27 ft. dist.
765.	Road, 20 ft. wide, bears S. 57° E. and N. 57° W.
906.96	Intersect North side line Sur. No. 285, Copper King lode, at a point from which the N. W. Cor. bears N. 60° 42' W. 25.78 ft. dist.
908.89	Intersect line 1-2 Johnson lode of this survey.
1500.0	Cor. No. 3 on line 1-2 Little Johnnie lode of this survey. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. C.T.-3-4314, from which The S. W. Cor. Sur. No. 285, Copper King lode, bears N. 82° 58' W. 18.52 ft. dist. Thence N. 58° 28' W.
17.16	Intersect West end line Sur. No. 285, Copper King lode, at a point from which the S. W. Cor. bears S. 29° 12' W. 7.68 ft. dist.
40.0	Lode line; discovery/point bears N. 30° 02' E. 240. ft. dist.
75.71	Intersect line 2-3 A-Number Two lode of this survey.
120.0	Cor. No. 4, on line 1-2, Little Johnnie lode, of this survey. Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, in a mound of earth and stone, with an iron cap, mkd. C.-T.-4-4314. Thence N. 30° 02' E.
745.	Road, 20 ft. wide, bears N. 57° W. and S. 57° E.
1337.46	Intersect lines 1-2 and 4-1 A-Number Two and A-Number One lodes of this survey.
1500.	Cor. No. 1 and place of beginning.

LITTLE JOHNNIE LODE

Beginning at Cor. No. 1.

Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. L.J.1-4314., from which

Survey No. 4314

Feet	
	<p>The 1/4 Cor. between Sections 23 and 26, T. 15 S., R. 22 E., G. and S.R.M., bears N. 1°55' E. 1120.50 ft. dist.</p> <p>Cor. Nos. 3-4 Sur. No. 3242, Copper Chief and Esmeralda lodes, claimant herein, bears S. 17°54'30" E. 456.67 ft. dist.</p> <p>Thence S. 58°28' E.</p>
313.91	Intersect lines 2-3 and 4-1, Sur. No. 3242, Copper Chief and Esmeralda lodes, at a point from which Cor. Nos. 3-4 bears S. 25°11' W. 298.77 ft. dist.
682.02	Intersect line 4-1 A-Number Two lode, of this survey.
710.78	Intersect line 2-3 Sur. No. 3242, Esmeralda lode, at a point from which Cor. No. 3 bears S. 25°11' W. 261.51 ft. dist.
1040.	Road, 10 ft. wide, bears N. 11° W. and S. 11° E.
1200.	Cor. No. 4, Copper Thread lode of this survey.
1244.29	Intersect line 2-3 A-Number Two lode of this survey.
1302.84	Intersect West end line Sur. No. 285, Copper King lode, at a point from which, the S.W. Cor. bears S. 29°12' W. 7.68 ft. dist.
1320.0	Cor. No. 3, Copper Thread lode of this survey.
1375.0	Bed of dry creek, 18 ft. wide, course S. 76° E.
1500.0	<p>Cor. No. 2, identical with Cor. No. 3, Rough Rider lode of this survey, previously described; the N.W. Cor. Sur. No. 324, Republic lode, and on the South side line Sur. No. 285, Copper King lode, at a point from which, the S.W. Cor. Bears N. 60°42' W. 197.0 ft. dist.</p> <p>Thence S. 36° 37' W.</p>
300.	Lode line; discovery point bears N. 58°28' W. 20 ft. dist.
404.0	Road, 10 ft. wide, bears S. 58° E. and N. 58° W.
413.06	Intersect Easterly side line Sur. No. 325, Golden Shield lode, at a point from which the N. E. Cor. bears N. 34° 24' W. 519.79 ft. dist.
600.0	<p>Cor. No. 3, identical with S.W. Cor. Sur. No. 324, Republic lode.</p> <p>Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. S.W. Cor.-R-324 and L.J.-3-4314, from which</p> <p>The N. E. Cor. Sur. No. 325, Golden Shield lode, bears N. 17°28' W. 606.91 ft. dist.</p> <p>Thence N. 58°28' W.</p>
635.87	Intersect Northerly end line, Sur. No. 325, Golden Shield lode, at a point from which the N. E. Cor. bears N. 55° 36' E. 436.08 ft. dist.
1500.0	Cor. No. 4.

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Feet	Set an iron post 42 ins. long, 2 ins. diam., 24 ins. in cement in the ground, and in a mound of earth and stone, with an iron cap, mkd. L.-J.-4-4314, from which
	U. S. Mineral Monument No. 1 bears S. 6°17' E. 711.86 ft. dist.
	A pine post, 4x6 ins. in size, 8 ft. high, set in a monument of stone, 8 ft. in diam., at base and 5 ft. high, mkd. U.S.M.M. No. 1.
	Thence N. 36°37' E.
300.00	Lode line: Discovery point bears S. 58°28' E. 1480 ft. dist.
375.78	Intersect line 3-4 Sur. No. 3242, Copper Chief lode, at a point from which Cor. No. 3 bears S. 47°09' E. 374.10 ft. dist.
400.	Bed of dry creek, 15 ft. wide, course S. 42° E.
600.0	Cor. No. 1 and place of beginning.

Survey No. 4314

AREAS

	Acres
Total area A-Number One lode	19.595
Area in conflict with -	
Sur. No. 1717 Copper Bell lode	0.273
Total area A-Number Two lode	18.065
Area in conflict with -	
Sur. No. 3242 Blue Lead Extension lode	0.048
Sur. No. 3242 Dwarf lode	0.353
Sur. No. 3242 Esmeralda lode	0.242
Total area Cochise lode	20.661
Area in conflict with -	
Sur. No. 284 Highland Mary lode	2.618
Gingham No. 1 lode (unsurveyed)	0.130
Total area Rough Rider lode	6.887
Area in conflict with -	
Sur. No. 285 Copper King lode	3.476
Cochise lode of this survey	0.102
Total area Tenderfoot lode	13.199
Area in conflict with -	
Sur. No. 324 Republic lode	4.954
Sur. No. 325 Golden Shield lode	3.776
Sur. No. 325 Golden Shield lode, exclusive of its conflict Sur. No. 324 Republic lode	3.696
Sur. No. 2764 MayFlower lode	0.049
Total area Louise lode	6.341
Area in conflict with -	
Sur. No. 284 Highland Mary lode	1.593
Cochise lode of this survey	0.312
Cochise lode of this survey, exclusive of its conflict with Sur. No. 284 Highland Mary lode	0.275
Gingham No. 1 lode, unsurveyed	0.213
Gingham No. 1 lode, unsurveyed exclusive of its conflict with Cochise lode of this survey	0.209
Gingham No. 2 lode, unsurveyed	1.477
Gingham No. 2 lode, unsurveyed, exclusive of its conflict with Sur. No. 284 Highland Mary lode	1.448
Total area Fraction lode	3.468
Area in conflict with -	
Cochise lode of this survey	0.144
Total area Chicago lode	12.717
Total area Acorn lode	20.561
Area in conflict with -	
Sur. No. 324 Republic lode	0.174
Sur. No. 2764 MayFlower lode	6.033

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	Acres
Cochise lode of this survey	4.573
Rough Rider lode of this survey	0.141
Rough Rider lode of this survey, exclusive of its conflict with Cochise lode of this survey	0.136
Fraction lode of this survey	0.216
Fraction lode of this survey, exclusive of its conflict with Cochise lode of this survey	0.200
Total area United Fraction lode	10,879
Area in conflict with -	
Survey No. 329 Tycoon lode	0.091
Louise lode of this survey	0.977
Chicago lode of this survey	2.345
Gingham No. 3 lode (unsurveyed)	2.397
Total area Johnson lode	9.330
Area in conflict with -	
Sur. No. 285 Copper King lode	1.314
Sur. No. 329 Tycoon lode	4.665
Sur. No. 329 Tycoon lode, exclusive of its conflict with Sur. No. 285 Copper King lode	4.376
Total area Copper Thread lode	4.131
Area in conflict with -	
Sur. No. 285 Copper King lode	0.292
Sur. No. 329 Tycoon lode	0.568
A-Number One lode of this survey	0.099
A-Number Two lode of this survey	1.364
Johnson lode of this survey	0.237
Johnson lode of this survey, exclusive of its conflict with:	
(1) Sur. No. 285 Copper King lode	0.236
(2) Sur. No. 329 Tycoon lode	0.233
(3) Sur's. Nos. 285 and 329 Copper King and Tycoon lodes	0.232
Total area Little Johnnie lode	20.580
Area in conflict with -	
Sur. No. 285 Copper King lode	0.017
Sur. No. 325 Golden Shield lode	3.961
Sur. No. 3242 Copper Chief lode	2.028
Sur. No. 3242 Esmeralda lode	2.537
A-Number Two lode of this survey	1.402
A-Number Two lode of this survey, exclusive of its conflict with Sur. No. 3242 Esmeralda lode	1.272

LOCATION

SE $\frac{1}{4}$ Sec. 23,
This survey is located in the W $\frac{1}{2}$ of Sec. 25, the N $\frac{1}{2}$ and
SE $\frac{1}{4}$ of Sec. 26, T. 15 S., R. 22 E., of the Gila and Salt
River Meridian.

The survey of the A-Number One, A-Number Two, Cochise, Rough Rider, Tenderfoot, Louise, Fraction, Chicago, Acorn, United Fraction, Johnson, Copper Thread, and Little Johnnie lodes, is identical with the respective amended locations as marked on the ground.

EXPENDITURES

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

- No. 1 The discovery shaft of the A-Number One lode, the center of which being the discovery point, is on the lode line 220. ft. from a point on line 1-2, 270 ft. from Cor. No. 1; 6x6 ft., 13 ft. deep.
Value \$130.

Survey No. 4314

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| No. 2 | A shaft, the center of which bears S. 24° E. 350 ft. from Cor. No. 2 A-Number One lode; 6x6 ft., 6 ft. deep.
Value \$50. |
| No. 3 | An incline shaft, the center of which bears S. 26°20' E., 345 ft. from Cor. No. 2, A-Number One lode; 4x8 ft. 19 ft. deep. Incline 30°, course N. 4° E.
Value \$180. |
| No. 4 | An incline shaft, the center of which bears S. 27°20' E. 310 ft. from Cor. No. 2 A-Number One lode; 4x6 ft., 15 ft. deep. Incline 25°, course N. 50° E.
Value \$150. |
| No. 5 | An incline shaft, the center of which bears S. 39°15' E. 290. ft. from Cor. No. 2 A-Number One lode; 4x6 ft. 20 ft. deep. Incline 80°, course East.
Value \$200. |
| No. 6 | A shaft, the center of which bears S. 13°30' E., 724 ft. from Cor. No. 2 A-Number One lode; 6x6 ft., 10 ft. deep.
Value \$100. |
| No. 7 | A shaft, the center of which bears S. 15°45' E., 720 ft. from Cor. No. 2 A-Number One lode; 4x6 ft., 30 ft. deep. Timbered.
Value \$350. |
| No. 8 | A cut, the mouth of which bears N. 53° E., 95 ft. from Cor. No. 1 A-Number One lode; 6 ft. wide, runs S. 22° E. 25 ft. to a 10 ft. face, at face of cut, a shaft, 6x8 ft. 20 ft. deep.
Value of cut and shaft, \$300. |
| No. 1 | The discovery monument of the A-Number Two lode, is on the lode line, 380 ft. from a point on line 3-4, 270 ft. from Cor. No. 3, 4 ft. at base and 3 ft. high.
No value. |
| No. 2 | The center of the discovery incline shaft bears N. 70° E. 40 ft. from discovery monument; 5x7 ft., 122 ft. deep; incline 55° N. 30° E. Partially timbered.
Value \$1464. |
| No. 3 | An incline shaft, the center of which bears S. 77°40' E. 243 ft. from Cor. No. 4; 4x6 ft., 50 ft. deep; timbered. Incline 45°, course N. 20° E.
Value \$600. |
| No. 4 | A shaft, the center of which bears S. 38°45' E., 287 ft. from Cor. No. 1; 5x6 ft., 8 ft. deep.
Value \$80. |
| No. 5 | A shaft, the center of which bears N. 78° W. 78 ft. from Cor. No. 2 A-Number Two lode; 5x8 ft., 100 ft. deep.
Value \$1200. |
| No. 1 | The discovery shaft of the Cochise lode, the center of which being the discovery point, is on the lode line 840 ft. from a point on line 1-2, 300 ft. from Cor. No. 1; 4x7 ft., 20 ft. deep.
Value \$200. |
| No. 2 | A cut, the mouth of which bears S. 45°50' E. 885 ft. from Cor. No. 2, 5 ft. wide, 10 ft. face, runs S. 18° W., 19 ft. to face and portal of tunnel 5x7 ft. in size; runs S. 18° W. 75 ft. to breast.
Value of cut and tunnel, \$850. |

Survey No. 4314

- No. 3 A cut, the mouth of which bears S. $43^{\circ}30'$ E. 850 ft. from Cor. No. 2, 5 ft. wide, 10 ft. face, runs S. 3° W. 17 ft. to face and portal of tunnel; 5x7 ft. in size, running S. 3° W. 50 ft. to breast.
Value of cut and tunnel, \$500.
- No. 4 A cut, the mouth of which bears S. $77^{\circ}30'$ E. 250 ft. from Cor. No. 1, 5 ft. wide, 10 ft. face, runs S. 37° W. 15 ft. to face and portal of tunnel; 5x7 ft. in size, running S. 37° W. 40 ft. to breast.
Value \$400.
- No. 5 An open cut and pit, the center of the West portal of which bears S. 84° E. 480 ft. from Cor. No. 1, average 60 ft. wide, runs N. 40° E. 100 ft. to 12 ft. face; thence S. 24° E. 90 ft. to the east portal, average 40 ft. wide, all in rock and ore; approximately 50400 cu. ft. excavated.
Value \$3000.
- No. 1 The discovery shaft of the Rough Rider lode, the center of which, being the discovery point, is on the lode line 225 ft. from a point on line 1-2, 120 ft. from Cor. No. 1; 4x6 ft. 19 ft. deep, timbered.
Value \$200.
- No. 1 The discovery incline shaft of the Tenderfoot lode, the center of which being the discovery point, is on the lode line 15 ft. from a point on line 1-2, 240 ft. from Cor. No. 1; 5x6 ft. 27 ft. deep. Incline 40° N. 75° E.
Value \$300.
- No. 2 A shaft, the center of which bears S. 85° W. 60 ft. from Cor. No. 1 Tenderfoot lode; 5x7 ft. 10 ft. deep.
Value \$100.
- No. 3 A shaft, the center of which bears S. $74^{\circ}30'$ W. 100 ft. from Cor. No. 1, Tenderfoot lode; 5x7 ft. 10 ft. deep.
Value \$100.
- No. 4 A shaft, the center of which bears S. 68° W. 88 ft. from Cor. No. 1 Tenderfoot lode; 5x7 ft. 12 ft. deep.
Value \$110.
- No. 5 A shaft, the center of which bears N. $26^{\circ}20'$ W. 500 ft. from Cor. No. 2 Tenderfoot lode; 6x8 ft., 6 ft. deep.
Value \$60.
- No. 6 A shaft, the center of which bears N. $27^{\circ}15'$ W. 645 ft. from Cor. No. 2 Tenderfoot lode; 10x12 ft., 6 ft. deep.
Value \$100.
- No. 7 A cut, the mouth of which bears N. $28^{\circ}30'$ W. 668 ft. from Cor. No. 2 Tenderfoot lode, 10 ft. wide, runs N. 80° W. 22 ft. to a 6 ft. face.
Value \$100.
- No. 1 The discovery shaft of the Louise lode, the center of which, being the discovery point, is on the lode line 180 ft. from a point on line 4-1, 85 ft. from Cor. No. 1; 4x6 ft., 38 ft. deep.
Value \$450.
- No. 1 The discovery shaft of the Fraction lode, the center of which, being the discovery point, is on the lode line 115 ft. from a point on line 2-3, 150.24 ft. from Cor. No. 2; 5x7 ft., 26 ft. deep.
Value \$300.

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- No. 1 The discovery shaft of the Chicago lode, the center of which, being the discovery point, is on the lode line 176.40 ft. from a point on line 4-1; 263 ft. from Cor. No. 4; 4½x7 ft. 42 ft. deep.
Value \$500.
- No. 2 A shaft, the center of which bears N. 59°30' E. 180 ft. from Cor. No. 1 Chicago lode; 4x6 ft. 10 ft. deep.
Value \$100.
- No. 1 The discovery shaft of the Acorn lode, the center of which being the discovery point, is on the lode line, 700 ft. from a point on line 2-3, 298.91 ft. from Cor. No. 2; 4x7 ft., 10 ft. deep.
Value \$100.
- No. 2 A shaft, the center of which bears N. 14°30' W. 684. ft. from Cor. No. 3 Acorn lode; 4x6 ft., 10 ft. deep.
Value \$100.
- No. 3 A shaft, the center of which bears N. 14° W. 418. ft. from Cor. No. 3 Acorn lode; 4x6 ft., 10 ft. deep.
Value \$100.
- No. 4 A shaft, the center of which bears N. 21° W. 195 ft. from Cor. No. 3 Acorn lode; 4x6 ft.; 20 ft. deep.
Value \$200.
- No. 5 A shaft, the center of which bears N. 20°35' W. 153 ft. from Cor. No. 3 Acorn lode; 4x6 ft.; 10 ft. deep.
Value \$100.
- No. 1 The discovery shaft of the United Fraction lode, the center of which, being the discovery point, is on the lode line 80 ft. from a point on line 1-2, 40 ft. from Cor. No. 1; 4x6 ft., 15 ft. deep.
Value \$150.
- No. 1 The discovery shaft of the Johnson lode, the center of which, being the discovery point, is on the lode line, 125 ft. from a point on line 2-3, 190 ft. from Cor. No. 2; 4x7 ft., 27 ft. deep. Timbered.
Value \$300.
- No. 1 The discovery shaft of the Copper Thread lode, the center of which, being the discovery point, is on the lode line 240 ft. from a point on line 3-4, 40 ft. from Cor. No. 3; 6x10 ft., 10 ft. deep.
Value \$100.
- No. 2 A shaft, the center of which is on the Copper Thread lode line, 50 ft. from a point on line 3-4, 40 ft. from Cor. No. 3; 4x6 ft., 10 ft. deep.
Value \$100.
- No. 3 A shaft, the center of which bears S. 13°25' W. 210 ft. from Cor. No. 1 Copper Thread lode; 5x8 ft., 12 ft. deep.
Value \$110.
- No. 4 A cut, the center of the mouth of which bears S. 23°30' W. 450 ft. from Cor. No. 1 Copper Thread lode, 5 ft. wide, runs S. 60° E. 25 ft. to a 12 ft. face.
Value \$150.
- No. 1 The discovery incline shaft of the Little Johnnie lode, the center of which, being the discovery point, is on the lode line 20 ft. from the center of line 2-3; 6x8 ft., 20 ft. deep; incline 60° N. 2° W.
Value \$250.

Survey No. 4314

No. 2 A cut, the center of the mouth of which bears S. $27^{\circ}10'$ E. 610 ft. from Cor. No. 1 Little Johnnie lode, 6 ft. wide, runs S. 49° W. 30 ft. to a 10 ft. face, and portal of a tunnel, 5x7 ft. in size, bears S. 47° W. 50 ft. to breast.

Value of cut and tunnel \$780.

An interest in a common improvement described as follows:

An incline shaft, the center of the portal of which bears N. 80° W. 312 ft. from Cor. No. 4 Acorn lode of this survey, 6x8 ft. in size, bears N. 32° E. 700 ft. to Sta. 1 on 700 ft. level = average incline 40° at the 300 level in said incline; a drift 5x7 ft. in size runs N. 54° W. 90 ft. to breast and 80 ft. to point A at mouth of a crosscut, 5x7 ft., running S. 17° W. 80 ft. to pt. B, and 257 ft. to pt. C; thence S. 39° W. 88 ft. to breast. From pt. B a drift 5x7 ft. runs N. $65^{\circ}50'$ W. 140 ft. to bend; thence S. 73° W. 200 ft. to breast at date of survey.

At Sta. 1, on 700 ft. winze level, drifts 5x7 ft. run S. 77° E. 122 ft. to Sta. 2 and N. 39° W. 90 ft. to Sta. 3; thence N. 8° W. 45 ft. to Sta. 5; thence N. $5^{\circ}25'$ E. 185 ft. to Sta. 7; thence N. $26^{\circ}15'$ W. 133 ft. to Sta. 9; thence N. $16^{\circ}20'$ W. 84 ft. to Sta. 11; thence S. $80^{\circ}45'$ E. 73 ft. to Sta. 13, and N. 1° W. 63 ft. to Sta. 15; thence N. 45° E. 36 ft. to Sta. 17; thence S. 54° E. 60 ft. to breast, at S.E. end of stope 6 to 10 ft. wide up 200 ft. and N. $22^{\circ}50'$ W. 48 ft. to Sta. 19. Thence N. $59^{\circ}20'$ W. 60 ft. to Sta. 21 at collar of North winze, 5x7 ft. in size, bears N. $10^{\circ}15'$ E.; average incline 40° , 200 ft. to bottom. Thence from sta. 21, N. $60^{\circ}25'$ W. 130 ft. to breast and N. W. end of stope 6 to 10 ft. wide, up 100 ft. Thence from Sta. 21, N. $11^{\circ}25'$ W. 32 ft. to Sta. 23; thence S. 59° E. 60 ft. to breast and N. $47^{\circ}10'$ W. 158 ft. to Sta. 25; thence N. $35^{\circ}20'$ E. 20 ft. to breast of crosscut, and N. $43^{\circ}30'$ W. 50 ft. to Sta. 27 from which a crosscut runs N. 50° E. 20 ft. to breast, and an incline raise 5x9 ft. bears S. 56° W. 75 ft. Incline 35° . Thence from Sta. 27, N. $34^{\circ}45'$ W. 110 ft. to Sta. 29; thence N. $75^{\circ}50'$ W. 30 ft. to Sta. 31, from which a crosscut 5x7 ft. runs S. $35^{\circ}20'$ W. 65 ft. to breast, and the main drift runs N. $58^{\circ}50'$ W. 118 ft. to breast at date of survey.

At Sta. 2 on 700 ft. level, the drift, 5x7 ft., runs S. $45^{\circ}10'$ E. 44 ft. to Sta. 4 and a crosscut 5x7 ft. runs N. $40^{\circ}25'$ E. 40 ft. to Sta. 6.

At Sta. 4, a drift, 5x7 ft. runs S. $25^{\circ}50'$ E. 50 ft. to Sta. 8, from which the drift bears S. $25^{\circ}50'$ E. 20 ft. to breast, and a crosscut 5x7 ft. runs S. 64° W. 25 ft. to breast, and N. 64° E. 25 ft. to Sta. 10; thence S. 49° E. 60 ft. to face of drift and N. 64° E. 120 ft. to Sta. 12, from which a drift 5x7 ft. runs S. 33° E. 50 ft. to breast, and the crosscut runs N. 73° E. 70 ft. to breast.

At Sta. 6 a crosscut, 5x7 ft. runs N. $55^{\circ}40'$ E. 170 ft. to Sta. 14.

At Sta. 14 a drift 5x7 ft. runs N. $46^{\circ}50'$ W. 54 ft. to Sta. 14-A, from which a crosscut 5x7 ft. runs N. $8^{\circ}50'$ E. 130 ft. to Sta. 14-B; thence N. $35^{\circ}30'$ E. 148 ft. to breast of crosscut, and N. 8° W. 60 ft. to breast of a drift.

At Sta. 14, a crosscut runs N. $55^{\circ}40'$ E. 120 ft. to Sta.

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16 at the S.W. Cor. of a timbered station in a flat stope, from which the S.E. Cor. of said station bears S. 63° E. 70 ft. The center and collar of the East winze, Sta. 18, bears N. 80° E. 90 ft. dist. The center and collar of the Northeast winze, Sta. 20, bears N. 61° E. 95 ft. dist.

From Sta. 18, the East winze, 6x8 ft. in size, extends S. 79° E., incline 30° - 200 ft. dist. to floor of 900 ft. level, Sta. 18-A; thence S. 79° E., incline average 25° - 400 ft. to the 1300 ft. level - total depth to date 600 ft.

From Sta. 20, the N.E. Cor. of timbered Station bears S. 51° E. 20 ft. dist., and the N.W. Cor. of said station bears N. $51^{\circ}30'$ W. 25 ft. From Sta. 20 the northeast winze, 6x8 ft. in size, extends N. 27° E. 200 ft., incline 57° to the 900 ft. level, Sta. 9-A; thence N. 27° E. 700 ft., incline average 40° to bottom of winze at date of survey.

At Sta. 9-A, a drift, 5x7 ft. in size, runs S. $50^{\circ}20'$ E. 150 ft. to Sta. 9-B, and beginning of stope, 5 to 7 ft. wide, up to 700 level; thence S. $36^{\circ}50'$ E. 92 ft. to center of East winze; thence S. 22° E. 32 ft. to breast and end of stope up to 700 level.

At Sta. 9-A a crosscut 5x7 ft. bears N. $28^{\circ}30'$ E. 510 ft. to breast.

At Sta. 9-A a drift 5x7 ft. in size, runs N. 54° W. 304 ft.; thence S. $86^{\circ}40'$ W. 32 ft.; thence N. $62^{\circ}50'$ W. 180 ft.; thence S. $87^{\circ}50'$ W. 34 ft.; thence N. $65^{\circ}30'$ W. 82 ft.; thence N. 65° W. 20 ft. to breast and N. 20° E. 33 ft. to Sta. 9-H; at the East end of a raise 5x7 ft., and an irregular stope up to the 700 ft. level, 4 to 8 ft. wide, 10 ft. long at 900 level and 70 ft. long at 700 level.

At Sta. 9-H the drift runs N. $65^{\circ}45'$ W. 117 ft.; thence N. $16^{\circ}50'$ E. 35 ft.; thence N. 40° W. 50 ft. to center of bottom of the North winze.

Value of winzes, drifts, cross cuts, raises and stopes, \$66,300.

Value of one twenty-fifth interest \$2,652.

(The value of the incline shaft from surface to the 700 ft. level, Sta. 1, is not included in the estimate of \$66,300.)

These improvements are in course of construction for the development of the thirteen lodes of this survey and Survey No. 284 Highland Mary lode, Survey No. 285 Copper King lode, Sur. No. 324 Republic lode, Sur. No. 325 Golden Shield lode, Sur. No. 326 Chicora lode, Sur. No. 329 Tycoon lode, and Sur. No. 3242 Southern Cross, Blue Lead, Dwarf, Esmeralda, Copper Chief and Little Bush lodes, which are all the contiguous lode claims owned in common within the range of benefit of said incline shaft.

The surface rises slightly to the north, east and west from the portal of the incline shaft, and this shaft, with the drifts, crosscuts and winzes therefrom, affords the most practical and economical means of developing each of the stated lodes at depth.

Five hundred dollars or over has been expended in these improvements in such manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity

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have prevailed; therefore an undivided one twenty-fifth interest in its value is hereby credited to each of said lodes, and a like interest apportioned to each of the other stated lodes of the common group. As far as known no portion of or interest in this improvement, except the incline shaft, has been credited heretofore as patent expenditure to any other lode claim.

OTHER IMPROVEMENTS

A frame and iron mill building, the S.W. Corner of which bears N. $43^{\circ}30'$ W. 158 ft. from Cor. No. 2 Rough Rider lode; 30x45 ft. in size; course of long sides N. 63° W.

A frame and iron mill building, the N.E. Corner of which bears N. $63^{\circ}20'$ W. 144 ft. from Cor. No. 2 Rough Rider lode; 45x70 ft. in size; the long sides bear S. $26^{\circ}20'$ W. Claimant of each herein.

A frame house, the S.W. Cor. of which bears North 180 ft. from Cor. No. 3, A-Number Two lode; 16x24 ft. in size; the long sides bear West.

A frame house, the S.E. Cor. of which bears North 253 ft. from Cor. No. 3, A-Number Two lode; 24x36 ft. in size; the long sides bear West.

A frame house, the S.E. Cor. of which bears North 340 ft. from Cor. No. 3 A-Number Two lode; 24x36 ft. in size; the long sides bear West.

A frame house, the S.E. Cor. of which bears North 434 ft. from Cor. No. 3, A-Number Two lode; 16x24 ft. in size; the long sides bear West.

A frame house, the S.E. Cor. of which bears N. $10^{\circ}10'$ E. 430 ft. from Cor. No. 3 A-Number Two lode; 16x24 ft. in size; the long sides bear S. 88° W.

A frame house, the S.W. Cor. of which bears N. 54° E. 145 ft. from Cor. No. 4 Copper Thread lode; 12x24 ft. in size; the long sides bear N. 88° E.

A frame house, the S.W. Cor. of which bears N. $38^{\circ}30'$ E. 180 ft. from Cor. No. 4 Copper Thread lode; 16x24 ft. in size; the long sides bear S. 87° W.

A frame house, the S.W. Cor. of which bears N. $42^{\circ}10'$ E. 277 ft. from Cor. No. 4 Copper Thread lode; 16x24 ft. in size; the long sides bear S. 87° W. Claimant of each, herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 284 Highland Mary lode: The N. W. and N. E. Corners are iron posts, 2 ins. diam., firmly set and properly marked; all lines were found to be approximately correct as approved.

Sur. No. 285 Copper King lode: The S. W. Corner is an iron post 2 ins. diam., firmly set and properly marked; the side lines were found to be S. $60^{\circ}42'$ E. 1500 ft. and N. $60^{\circ}42'$ W. 1500 ft. instead of S. $60^{\circ}48'$ E. 1500 ft. and N. $60^{\circ}48'$ W. 1500 ft. as approved. The end lines were found to be approximately correct as approved.

Sur. No. 324 Republic lode: The S. E. Corner is an iron post 2 ins. diam., firmly set and properly marked. The side lines were found to be S. $53^{\circ}24'$ E. 1500 ft. and

Survey No. 4314

N. $53^{\circ}24'$ W. 1500 ft. instead of S. $53^{\circ}27'$ E. 1500 ft. and N. $53^{\circ}27'$ W. 1500 ft. as approved.

Sur. No. 325 Golden Shield lode: All corners were found to be iron posts 2 ins. diam., firmly set and properly marked; all lines were found to be approximately correct as approved. The tie from the N. W. Cor. to U.S.M.M. No. 1 was found to be S. $72^{\circ}42'$ W. 548.27 ft. instead of S. $72^{\circ}18'$ W. 548. ft. as approved.

Sur. No. 326 Chicora lode: The N.W. and S.W. Corners were found to be iron posts 2 ins. diam., firmly set and properly marked. The N.W. end line was found to be approximately correct as approved.

Sur. No. 2764 Mayflower lode: All corners were found to be pine posts, firmly set and properly marked and all lines were found to be approximately correct as approved.

Sur. No. 1717 Copper Bell lode: Cor. No. 1 is a pine post, firmly set and properly marked; Cor. No. 2 was a monument of stone in approximate true position; line 1-2 is shown as approved.

Sur. No. 3242 Southern Cross lode: Cor. No. 5 is a pine post, firmly set and properly marked; Cor. No. 6 was a pine post, firmly set, and marked and was replaced with an iron post as described for Cor. No. 1 A-Number One lode of this survey. Line 5-6 was found to be S. $17^{\circ}08'$ W. 1308.50 ft. instead of S. $17^{\circ}00'$ W. 1308.50 as approved.

Sur. No. 3242 Blue Lead Extension lode: Cors. Nos. 1, 2 and 3 are pine posts, firmly set and properly marked; line 1-2 was found to be S. $63^{\circ}32'$ E. 445.10 ft. instead of S. $64^{\circ}06'$ E. 445.10 ft. as approved; line 2-3 was found to be S. $32^{\circ}38'$ W. 300.70 ft. instead of S. $32^{\circ}27'$ W. 300 ft. as approved; line 3-4 was found to be N. $63^{\circ}52'$ W. 446.50 ft. instead of N. $64^{\circ}06'$ W. 445.10 ft. as approved.

Sur. No. 3242 Dwarf lode: All cors. are pine posts, firmly set and properly marked; line 2-3 was found to be S. $25^{\circ}12'$ W. 600 ft. instead of S. $24^{\circ}57'$ W. 600 ft. as approved; line 3-4 was found to be N. $63^{\circ}52'$ W. instead of N. $64^{\circ}06'$ W. as approved.

Sur. No. 3242 Esmeralda lode: All Cors. are pine posts firmly set and properly marked; line 2-3 was found to be S. $25^{\circ}11'$ W. 600 ft. instead of S. $24^{\circ}57'$ W. 600 ft. as approved; line 3-4 was found to be N. $63^{\circ}52'$ W. 394.20 ft. instead of N. $64^{\circ}06'$ W. 394.20 ft. as approved; line 4-1 was found to be N. $25^{\circ}11'$ E. instead of N. $24^{\circ}57'$ E. as approved.

Sur. No. 3242 Copper Chief lode: Cors. 2, 3 and 4 are pine posts, firmly set and properly marked; line 2-3 was found to be S. $25^{\circ}11'$ W. instead of S. $24^{\circ}57'$ W. as approved, and line 3-4 was found to be N. $47^{\circ}09'$ W. instead of N. $47^{\circ}23'$ W. as approved.

The Tie from Cor. No. 1 Sur. No. 3242 Dwarf lode to the 1/4 Cor. between Secs. 23 and 26, T. 15 S., R. 22 E., G. and S.R.M. bear N. $52^{\circ}34'20''$ W. 771.25 ft. dist. instead of N. $52^{\circ}48'$ W. 784.50 ft. as approved.

The Survey of each lode of this survey is identical with its respective amended location as found marked on the ground.

A diligent search was made for the Corner to Sections 23, 24, 25 and 26, T. 15 S., R. 22 E. but no evidence of the corner could be found. The point for the corner falls in the bed of a gulch which has probably been widened in recent years by floods.

The disagreements between these field notes and the amended location certificates are due to errors in the latter.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
Bureau of Land Management

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Edward L. Haff

Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of _____

Coronado Copper and Zinc Company; Known as the, _____
A-Number One, A-Number Two, Cochise, Rough Rider, Tenderfoot, Louise,
Fraction, Chicago, Acorn, United Fraction, Johnson, Copper Thread, and
Little Johnnie lodes;
and showing the respective capacities in which they acted.

- _____M. G. Grant,_____, Chainman.
- _____, Chainman.
- _____, Axman.
- _____, Flagman.

FINAL OATHS OF ASSISTANTS

~~We~~ I, M. G. Grant

~~do~~ _____, do solemnly swear that ~~we~~ assisted _____

Edward L. Haff, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Coronado Copper and Zinc Company, Known as the, A-Number One, A-Number Two, Cochise, Rough Rider, Tenderfoot, Louise, Fraction, Chicago, Acorn, United Fraction, Johnson, Copper Thread, and Little Johnnie lodes;

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

- _____M. G. Grant_____, Chainman.
- _____, Chainman.
- _____, Axman.
- _____, Flagman.

Subscribed and sworn to by the above-named persons before me this 14th

day of February 1949

George B. Pinner
Notary Public

My Commission Expires Jan. 23, 1950

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Edward J. Haff
Mineral Surveyor to assist in running, measuring, and marking the lines, corners, and boundaries
specified in the foregoing field notes of the survey of the mining claim of
Coronado Copper and Zinc Company; known as the
A-Number One, A-Number Two, Cochise, Rough Rider, Tenderfoot, Louise,
Fracton, Chicago, Acorn, United Fracton, Johnson, Copper Thread, and
Little Johnnie lodes;
and showing the respective capacities in which they acted.

Commissioner, M. G. Grant,
Assistant,
Assistant,
Assistant,

FINAL OATHS OF ASSISTANTS

Edward J. Haff

I, Edward J. Haff, United States Mineral Surveyor, do solemnly swear that I assisted
the boundaries of the mining claim of Coronado Copper and Zinc Company,
known as the A-Number One, A-Number Two, Cochise, Rough Rider,
Tenderfoot, Louise, Fracton, Chicago, Acorn, United Fracton, Johnson,
Copper Thread, and Little Johnnie lodes;

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully
and correctly executed, and the corners and boundary monuments established according to law and the
instructions furnished by the Chief Assistant Engineer at Phoenix, Arizona.

Commissioner,
Assistant,
Assistant,
Assistant,

Subscribed and sworn to by the above-named persons before me this

day of February, 1904
at Phoenix, Arizona

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, Edward L. Haff, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated December 4th. 1947,
I have, in strict conformity to the laws of the United States, the official regulations
and instructions thereunder, and the instructions of said Office Cadastral Engineer,
faithfully and correctly executed the survey of the mining claim of Coronado Copper
and Zinc Company, KNOWN AS THE A-Number One, A-Number Two, Cochise,
Rough Rider, Tenderfoot, Louise, Fraction, Chicago, Acorn, United Fraction,
Johnson, Copper Thread, and Little Johnnie lodes.
situate in Cochise Mining District,
Cochise County, Arizona, in Sections
23, 25 and 26, Township No. 15 South, Range No. 22 East, G and S.R.M.
and designated as Survey No. 4314, as represented
in the foregoing field notes, which accurately show the boundaries of said mining claim
as distinctly marked by monuments on the ground, and described in the attached copy of
the location certificate, which was received by me from the Office Cadastral Engineer
with said instructions, and that all corners of said survey have been established and
perpetuated in strict accordance with the law, official regulations and instructions
thereunder; and I do further solemnly swear that the foregoing are the true and original
field notes of said survey and my report therein, and that the labor expended and im-
provements made upon said mining claim by claimant or its grantors
~~grantors~~ are as therein fully stated, and that the character, extent, location, and
itemized value thereof are specified therein with particularity and full detail, and
that no portion of said labor or improvements so credited to this claim has been included
in the estimate of expenditures upon any other claim.

Edward L. Haff
(Mineral Surveyor)

Subscribed and sworn to by the said EDWARD L. HAFF

Mineral Surveyor, before me Anne M. Young

this 16th

day of March, 19 48

Anne M. Young
Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, Edward J. Barr, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office of the
Engineer of Yavapai, Arizona, dated December 4th, 1947,
I have, in strict accordance with the laws of the United States, the official regulations
and instructions thereunder, and the instructions of said Office of the Engineer,
faithfully and carefully executed the survey of the mining claim of Colorado Copper
and Zinc Company, known as the A-Number One, A-Number Two, Coochias,
South Rider, Farnsworth, Lowell, Jackson, Chicago, Acorn, United Fractor,
Johnson, Copper Road, and Little John's lodes.
situate in Coochias Mining District,
Coochias County, Arizona, in Sections
22, 25 and 26, Township No. 12 South, Range No. 22 East, G. and S. N. M.
and designated as Survey No. 4214, as represented
in the foregoing field notes, which accurately show the boundaries of said mining claim
as distinctly marked by monuments on the ground, and described in the attached copy of
the location certificate, which was received by me from the Office of the Engineer.
I believe that all corners of said survey have been established and
verified in strict accordance with the law, official regulations and instructions
thereunder; and I do further solemnly swear that the foregoing are the true and original
field notes of said survey and my report thereon, and that the labor expended and in-
crements made upon said mining claim by claimant or his grantors
and grantors are as therein fully stated, and that the character, extent, location, and
location value thereof are specified therein with particularity and full detail, and
that no portion of said labor or improvements so credited to this claim has been included
in the estimate of expenditures upon any other claim.

Edward J. Barr
Subscribed and sworn to by the said
Mineral Surveyor, before me
W. M. Young
this 12th day of December, 1947
W. M. Young
Notary Public



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
Bureau of Land Management
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

July 2, 19 48

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of Coronado Copper and Zinc Company

known as the A-Number One, A-Number Two, Cochise, Rough Rider,

Tenderfoot, Louise, Fraction, Chicago, Acorn, United, ~~known as the~~
Fraction, Johnson, Copper Thread and Little Johnnie lodes

situate in Cochise mining district,

Cochise County, Arizona

in Section s 23, 25 and 26, Township No. 15 S., Range No. 22 East

G. & S.R.M., designated as Survey No. 4314

executed by Edward L. Haff, Mineral

Surveyor, December 8, 1947 to February 14, 1948, under my instructions dated

December 4, 1947, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Frank M. Chapin
Office Cadastral Engineer.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
ARIZONA STATE OFFICE
2400 VALLEY BANK CENTER
PHOENIX, ARIZONA 85073
(602) 261-4774

A-9603 (PAS)
PX (943)

November 20, 1980

Memorandum

To : Chief, Branch of Cadastral Survey
From : Chief, Branch of Lands and Minerals Operations
Subject : Cancellation of Unpatented Mineral Survey 4314 and Preparation of Supplemental Plat - Private Exchange Application A-9603

Cyprus Mines Corporation has filed a Private Exchange Application A-9603 for the following described lands:

T. 15 S., R. 22 E., GSR Mer., Arizona
Section 24, Lots 5, 8, S $\frac{1}{2}$ of Lot 10, S $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$,
E $\frac{1}{2}$ E $\frac{1}{2}$ SW $\frac{1}{4}$, and W $\frac{1}{2}$ SE $\frac{1}{4}$;
Section 25, Lots 1, 5, 6, 10, 11, 13, 14, 15, 16, 17, 18,
and 19, W $\frac{1}{2}$ E $\frac{1}{2}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, and unpatented Mineral
Survey 4314.

The above-described lands have been determined to be suitable for disposal by exchange through the land use planning system.

Cyprus Mines has filed a relinquishment on unpatented Mineral Survey 4314 in Section 25 and requests cancellation of this survey. Please have unpatented Mineral Survey 4314 (Louise and Fraction Claims) cancelled and prepare a supplemental plat to relot the S $\frac{1}{2}$ of Lot 10 in Section 24 and unpatented Mineral Survey 4314 in Section 25.

Linda Kipp
Linda Kipp
Acting

Plat accepted 2/18/81.

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United States Department of the Interior

IN REPLY REFER TO

9632 (942)

BUREAU OF LAND MANAGEMENT

ARIZONA STATE OFFICE
2400 VALLEY BANK CENTER
PHOENIX, ARIZONA 85073

February 6, 1981

Memorandum

To : Chief, Branch of Records & Data Management (952)
From : Acting Chief, Branch of Cadastral Survey, ASO
Subject: Mineral Survey No. 4314

This memorandum cancels the survey of unpatented "FRACTION" and "LOUISE" lode claims of Mineral Survey No. 4314.

The following notation should be made on the plat of Mineral Survey No. 4314:

"Survey of "FRACTION" and "LOUISE" lode claims cancelled by Acting Chief, Branch of Cadastral Survey memorandum dated February 6, 1981."

A notation of this cancellation should also be made on the Mineral Mining District sheets. The plat and field notes should remain in the files. This memorandum should be made a part of the original field notes.

These claims have been abandoned and relinquished by Cyprus Mines Corporation. This cancellation clears the records to facilitate Private Land Exchange Application A-9603.

James P. Kelly

cc: Verity, Smith & Clark, P. C.
Attorneys at Law
902 Transamerica Building
177 North Church Avenue
Tucson, Arizona 85701

FEB 10 1981

MANAGEMENT SERVICES

	Action	Initials
1 Chief	_____	<i>[Signature]</i>
Program Analyst	_____	_____
Info. Systems	_____	_____
Br. of Personnel	_____	_____
Classification	_____	_____
Staffing	_____	_____
Training	_____	_____
Br. of Admin. Mgmt	_____	_____
Contracting	_____	_____
Procurement	_____	_____
Office Services	_____	_____
2 Br. Rcds. & Data Mgmt.	_____	_____
Info. & Accts.	_____	_____
Records	_____	_____
Central Files	_____	_____

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