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H.S.I.

NOV 1-1907
DEC 2-1907

4-683.

MINERAL SURVEY No. 2485

LOT No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Arizona Copper Co.

KNOWN AS THE

Lone Pine
Dead Pine, Lolanthe, El Moro, Boulder Mine,

Greenlee Gold Mountain Mining District,

Graham County, Arizona

Sections 26, 27, 34, & 35, Township 35, Range 29 E. unsurveyed

Surveyed under instructions dated Sept. 10, 1907

by Lamar Cobb
U. S. Mineral Surveyor.

Claim located see loc. notices, 19

Survey commenced Oct. 12, 1907, 19

Survey completed Oct. 14, 1907, 19

6-822

Address of claimant's attorney:

M. J. Egan,

Clifton, Arizona.

see date

Boulders Mine Lode

feet Beginning at Cor. No. 1

A red wood post, 4x6 ins, 4 ft. long set in the ground to bedrock, surrounded by a mound of stone, scribed 1-2485, whence

A cross (x) and I.R. 1-2485 chiseled, 3 ft above surface, on granite bluff facing east, bears S. 35° 20' W. 36.4 ft.

W. S. L. No. 2 bears N 76° 49' W 2523.2 ft

Thence N. 28° 47' E.

150 Cross Gulch course from Northwest to Southeast

1100 Cross Gulch course from North to South

1500 To Cor. No. 2.

A red wood post, 4x6 ins, 4 ft. long, set in the ground to bedrock, surrounded by mound of stone, scribed 2-2485.

No bearings available

Thence S. 61° 13' E.

300 The Northeast end center of the locations

600 To Cor. No. 3,

Identical with Cor. No. 2, Dead Pine lode and Cor. No. 2 Lone Pine lode, of this survey.

A red wood post, 4x6 ins, 4 ft. long, set in the ground to bedrock, surrounded by mound of stone, scribed 3-2-2-2485, whence

A cross (x) and I.R. 3-2-2-2485 chiseled on lime stone bed rock, exposed 10x15 ft. bears S. 64° 00' E. 16.4 ft.

Thence S. 28° 47' W.

674.8 Cross Gulch course from Northeast to Southwest.

1331.8 Cross Gulch course from Southeast to Northwest.

1451.6 Cor. No. 1 Lone Pine Code of this survey.

1500 To Cor. No. 4

A red wood post, 4 x 6 ins., 4 ft. long, set in the ground to bed rock, surrounded by mound of stone, scribed 4-2485, whence

A cross (x) and B.R. 4-2485 chiseled on a granite boulder, exposed 3 x 3 ft., 2 ft. high, bears $S. 33^{\circ} 53' E. 10.9$ ft.

Cor. No. 1 Leo C. Code, a 4 x 6 ins. pine post, scribed 1-2357 bears $N. 36^{\circ} 27' E. 38.6$ ft.

Thence $N. 61^{\circ} 13' W.$

200 Cross King Gulch course from Northeast to Southwest

300 Southwest end center of the location

457.4 Cor. Nos 1-2 Antietam, and Pral. Codes respectively, a pine post 4 ins. square, scribed 1-2-2357.

600 To Cor. No. 1, the place of beginning.

Lone Pine Code

Beginning at Cor. No. 1.

On line 3-4 Boulder Mine Code, of this survey at $N. 28^{\circ} 47' E. 48.2$ ft. from Cor. No. 4.

A pine post, 4 x 6 ins., 5 ft. long, set in the ground to bed rock, surrounded by mound of stone, scribed 1-2485, whence

A cross (x) and B.R. 1-2485 chiseled on the north face of quartzite point 8 x 8 ft., 10 ft. high, bears $S. 25^{\circ} 20' E. 5.5$ ft.

U. S. L. M. No. 2 bears $N. 74^{\circ} 42' W. 3116.4$ ft.

Thence $N. 28^{\circ} 47' E.$

120 Cross Gulch, course from Southeast to Northwest.

777 Cross Gulch, course from Northeast to Southwest.

1451.6 To Cor. No. 2.

Identical with Cor. No. 3 Boulder Mine lode,
and Cor. No. 2 Dead Pine lode, of this survey.

Thence $N. 84^{\circ} 32' E.$

63.5 Northeast end center of the location.

127 To Cor. No. 3.

A fine post, 4×6 ins. 5 ft. long, set on bed
rock, surrounded by mound of stone,
scribed 3-2485, whence

A cross (x) and B.R. 3-2485 chiseled on
lime stone bed rock facing south, bears
 $N. 27^{\circ} 45' W. 21.1$ ft.

Thence $S. 28^{\circ} 47' W.$

526 Cross Gulch course from Northeast to Southwest,

725.8 Cor. Nos. 1-2, Dead Pine and El Moro lodes,

respectively, of this survey, whence Cor. No. 2 Dead
Pine lode, of this survey, bears $N. 19^{\circ} 40' E. 662.7$ ft.

1371.6 Cross Gulch course from Southwest to Northwest.

1451.6 To Cor. No. 4

Identical with Cor. No. 1 El Moro lode, of this
survey,

A fine post, 4×6 ins. 5 ft. long, set in the ground
to bed rock, surrounded by mound of stone,
scribed 4-1-2485, whence,

A cross (x) and B.R. 4-1-2485 chiseled on lime
stone bed rock, exposed 2×3 ft. 1 ft. high, bears
 $S. 53^{\circ} 21' W. 41.2$ ft.

Thence $S. 84^{\circ} 32' W.$

63.5 Southwest end center of the location.

127 To Cor. No. 1 the place of beginning.

El Morro Code

Beginning at Cor. No. 1

Identical with Cor. No. 4, Lone Pine Code of this survey, whence,

U. S. L. M. No. 2, bears $N. 75^{\circ} 30' W.$ 3235.4 ft.

Thence $N. 28^{\circ} 47' E.$

80 Cross Gulch, course from Southeast to Northwest.
362.9 Southwest end center of the location.
725.8 To Cor. No. 2.

Identical with Cor. No. 1, Dead Pine Code of this survey.

A redwood post, 4×6 ins. 4 ft. long, set in the ground to bed rock surrounded by mound of stone, scribed 2-1-2485, whence

A cross (x) and B.R. 2-1-2485, chiseled on lime stone bed rock exposed 1×4 ft. high, bears $N. 12^{\circ} E.$ 9 ft.

Thence $N. 84^{\circ} 32' E.$

-1497 To Cor. No. 3

A pine post, 4×6 ins. 5 ft long, set in the ground to bed rock surrounded by mound of stone, scribed 3-2485, whence

A cross (x) and B.R. 3-2485 chiseled on quartzite point 4×4 ft., 5 ft. high, bears $N. 20^{\circ} 08' W.$ 9.6 ft.

Thence $S. 28^{\circ} 47' W.$

362.9 Northeast end center of the location

725.8 To Cor. No. 4

A pine post, 4×6 ins. $4\frac{1}{2}$ ft. long, set in the ground to bed rock surrounded by mound of stone, scribed 4-2485,

No bearings available

Thence S. $84^{\circ}32'$ W.

1497 To Cor. No. 1, the place of beginning

Dead Pine Code

Beginning at Cor. No. 1

Identical with Cor. No. 2 El Moro Code of this survey, whence

U. S. L. M. No. 2 bears N. $87^{\circ}09'$ W. 3486.1 ft.

Thence N. $19^{\circ}40'$ E.

160 Cross Gulch, course from Northeast to Southwest.

331.35 Southwest end center of the location.

662.7 To Cor. No. 2

Identical with Cor. No. 3 Boulder Mine Code and Cor. No. 2 Lone Pine Code, of this survey.

Thence N. $84^{\circ}32'$ E.

127 Cor. No. 3 Lone Pine Code of this survey.

697 Cross Gulch, course from Northeast to Southwest.

1500 To Cor. No. 3

A pine foot 4x6 ins., 5 ft. long, set in the ground to bed rock, surrounded by mound of stone, scribed 3-2485, whence

A cross (x), and (P.R.) 3-2485 chiseled on quartz point 2x3 ft., 3 ft. high, bears N. $12^{\circ}26'$ W. 22.7 ft.

Thence S. $19^{\circ}40'$ W.

331.35 Northeast end center of the location.

662.7 To Cor. No. 4,

Identical with Cor. No. 1 Solanthe Code, of this survey.

A pine foot 4x6 ins., 5 ft. long set in the ground to bed rock, surrounded by mound

of stone, scribed 4-1-2485, whence

A cross (x) and B.R. 4-1-2485 chiseled on South face of quartzite point, 4 x 4 ft., 5 ft. high, bears N. 20° 08' W. 9.6 ft.

Thence S. 84° 32' W.

3 Cor. No. 3 El Moro Code of this survey.
1500 To Cor. No. 1, the place of beginning.

Jobanthe Code

Beginning at Cor. No. 1

Identical with Cor. No. 4 Dead Pine Code of this survey, whence

W. S. L. M. No. 2 bears N. 89° 39' W. 4975.1 ft

Thence N. 19° 40' E.

332.1 Southwest end center of the location.

662.7 Cor. No. 3 Dead Pine Code of this survey.

664.2 To Cor. No. 2

A redwood post, 4 x 6 ins., 4 ft. long set in the ground to bed rock, surrounded by mound of stone scribed 2-2485, whence

A cross (x) and B.R. 2-2485 chiseled on quartz point, 2 x 3 ft., 3 ft. high, bears N. 14° 32' W. 2114 ft.

Thence N. 84° 15' E.

1119.4 Intersect line 3-4 November No 2 Code, survey No. 1712, at N. 25° 39' W. 340.1 ft. from Cor. No. 4

1500 To Cor. No. 3

A redwood post, 4 x 6 ins., 4 ft. long set in the ground to bed rock, surrounded by mound of stone, scribed 3-2485, whence

No bearings available

The Northwest Cor. of the November No. 2 Code,

a pine post 4 ins. square, scribed 3-1712
bears N. $68^{\circ}14'W$. 528.86 ft.

Thence S. $19^{\circ}40'W$.

299.6 Intersect line 2-3 November and line 4-1
November No. 2 Code survey 1712 at N. $64^{\circ}21'E$.
144.9 ft. from Cor. No. 3-4 respectively, which is
a pine post 4 ins. square, scribed 3-4-1712.

332.1 North east end center of the location.

503.2 Intersect line 3-4 November Code, at S. $25^{\circ}39'E$.

143.3 ft. from Cor. No. 3. and line 1-2 Good Boy Code
at S. $25^{\circ}39'E$. 225.9 ft. from Cor. No. 2, both of survey No. 1712.

664.2 To Cor. No. 4.

A redwood post, 4 x 6 ins, 4 ft. long, set in
the ground to bed rock, surrounded by mound
of stone, scribed 4-2485, whence

No bearings available

The Northwest Cor. Good Boy Code, ^{Sur. No. 1712} a pine post,
4 ins. square, scribed 2-1712 bears N. $7^{\circ}00'W$. 357.86 ft.

Thence S. $84^{\circ}15'W$.

125 Cross Gulch course from Northwest to Southeast.

417.5 Intersect line 2-3 Good Boy Code survey No. 1712,
at S. $43^{\circ}07'W$. 543.9 ft. from Cor. No. 2

700 Cross Gulch course from Northwest to Southeast.

1500 To Cor. No. 1, the place of beginning.

Variation at all corners $13^{\circ}E$.

Area.

Total area Lone Pine lode	3.497 acres ✓
Less area in conflict with Dead Pine lode of this survey	<u>0.875</u> " ✓
Net area Lone Pine lode	2.622 " ✓
Total and net area Boulder Mine lode	20.661 " ✓
Total and net area El Morro lode	20.618 " ✓
Total and net area Dead Pine lode	20.660 " ✓
Total and net area Jobanthe lode	<u>20.658</u> " ✓
Net area lode claim	85.219 " ✓

Location.

This claim is located in the S. W. 1/4, Sec. 26, the S. E. 1/4 Sec. 27, the N. E. 1/4 Sec. 34 and the N. W. 1/4 Sec. 35, T. 3 S., R. 29 E., G & S. R. Q. & M. unsurveyed.

Adjoining Lodes

This claim is bounded on the North by the November No. 2 lode, Survey No. 1712, New England & Clifton Copper Co, owners; the Little Monitor, Garrison King, Copper Era and New Century lodes, unsurveyed, Shannons Copper Co, claimants. On the West by the Lacey lode, unsurveyed, Stevens Copper Co, claimants. On the South by the Pratt, Antietam and Leo C. lodes Survey No. 2357, the Good Boy lode Survey No. 1712, New England & Clifton Copper Co, owners; the Defiance No. 4, unsurveyed, New England & Clifton Copper Co, et al, claimants; the Reliance lode, unsurveyed, William Hagan et al, claimants and the Magnet lode, unsurveyed, E. E. Frye, et al,

claimants. On the East by the Good Day,
November 1 and November No. 2. Lodes, Survey
No. 1712, New England & Clifton Copper Co, owners.

Expenditure of Five Hundred Dollars

I certify that the value of the labor and
improvements upon each lode or for the
benefit of each lode in this claim, placed
thereon by the claimants or their grantors, is
not less than five hundred dollars.

Solantre

- No. 1 The discovery shaft the North side of which is on
the center line 444 ft. from the Southwest end center,
6 x 6 ft. 5 ft. deep
Value \$30.00
- No. 2 An open cut, the face of which bears from the
Southwest end center N. 29° 55' E. 164 ft. 20 ft. long,
8 ft. wide, 12 ft. face.
Value \$50.00
- No. 3 An incline shaft, the center of which bears
from the Southwest end center N. 24° 13' E. 212 ft.
4 x 5 ft. 12 ft. deep.
Value \$100.00
- No. 4 An open cut and tunnel connecting with the above
shaft at bottom, the mouth of which bears from the
Southwest end center N. 36° 10' E. 227 ft. 35 ft. open cut,
8 ft. wide, (tunnel caved in and could not be measured).
Value \$150.00
- No. 5 An open cut, the face of which bears from the South
west end center, N. 39° 30' E. 230 ft., 15 ft. long, 6 ft. wide, 10 ft. face

Value \$50.00

No. 6 An open cut, the face of which bears from the Southwest end center N. 50° 30' E. 19.4 ft. 30 ft. long, 4 ft. wide, 15 ft. face

Value \$75.00

No. 7 A shaft the center of which bears from a point on the center line, hereafter to be designated as point A, 52.5 ft. from the South west end center, N. 70° 15' W. 62 ft. 10 x 10 ft. 8 ft. deep.

Value \$150.00

No. 8 A tunnel, the face of which bears from point A, S. 16° 05' W. 148 ft. 3 1/2 x 6 ft., running S. 55° 30' W. 42 ft. to breast

Value \$350.00

No. 9 A shaft, the center of which bears from point A, S. 57° 50' E. 154 ft. 4 x 6 ft. 50 ft. deep

Value \$500.00

El Morro

No. 1 The discovery cut, the Southwest end of which is on the center line, 104.1 ft. from the Northeast end center, 25 ft. long, 11 ft. wide, 5 ft. deep

Value \$75.00

No. 2 An incline shaft which bears from the Northeast end center S. 85° 47' W. 101 ft. 5 x 7 ft. 25 ft. deep, dipping west

Value \$250.00

No. 3 An open cut, the face of which bears from the Northeast end center S. 82° 12' W. 96.1 ft. 30 ft. long, 6 ft. wide, 15 ft. face

Value \$100.00

No. 4 A tunnel the face of which bears from the Northeast end center, N. 44° 30' W. 267 ft. 4 1/2 x 7 ft., running

N. 51° E. 100 ft. to breast

Value \$1000.00

No. 5 A tunnel the face of which bears from the North east end center N. $24^{\circ}28'$ W. 222 ft. $3\frac{1}{2} \times 6$ ft. running N. 45° E. 90 ft. to breast

Value \$800.00

No. 6 A tunnel, the face of which bears from the Northeast end center N. $21^{\circ}08'$ W. 283 ft. 5×7 ft. running N. $32^{\circ}40'$ E. 36 ft. to breast.

Value \$360.00

Dead Pine

No. 1 The discovery cut, the center of which is on the center line 349 ft. from the Northeast end center, 10×10 ft. 12 ft. face

Value \$100.00

No. 2 A tunnel the face of which bears from the ^{Cor. No. 4, S. $75^{\circ}41'$ W. 69.11 ft.} ~~Northeast end center of the El Moro lode~~ N. $21^{\circ}00'$ E. 224 ft. $4\frac{1}{2} \times 7$ ft. running N. 25° W. 70 ft. to breast. Through beginning in the El Moro lode this tunnel only benefits the Dead Pine lode

Value \$700.00

No. 3 A tunnel the face of which bears from a point on line 2-3, 668 ft. from Cor. No. 3, S. $42^{\circ}46'$ W. 2.61 ft., running S. $84^{\circ}10'$ E. 296 ft. to breast, $4\frac{1}{2} \times 7$ ft.

Value \$2960.00

No. 4 A tunnel the face of which bears from a point on line 2-3, 668 ft. from Cor. No. 3 S. $29^{\circ}45'$ E. 234 ft. running S. 67° E. 116 ft. to breast; 4×6 ft.

Value \$1160.00

Boulders Mine

No. 1 A tunnel the face of which bears from a point on the center line 684 ft. from the Southwest end center, N. 13° 48' E. 228 ft. running N. 64° E. 65 ft. thence N. 47° 37' E. 56 ft. to breast, 4 x 7 ft.

Value \$1210.00

The discovery cut is in this tunnel at the breast.

No. 2 A shaft, the center of which bears from a point on the center line 684 ft. from the Southwest end center N. 47° 04' E. 342 ft. 4 x 6 ft., 35 ft. deep.

Value \$350.00

No. 3 A shaft the center of which bears from a point on the center line 290 ft. from the Northeast end center, N. 44° 04' W. 148 ft., 4 x 6 ft., 25 ft. deep

Value \$250.00

No. 4 A tunnel the face of which bears from the same point on the center line as the above shaft, N. 53° 07' W. 208 ft. running 65 ft. to connect with the bottom of above shaft 4 x 6 ft.

Value \$650.00

No. 5 A shaft, the center of which bears from the Southwest end center N. 73° 30' E. 152 ft. 6 x 8 ft. 105 ft. deep.

Value \$1260.00

An undivided $\frac{1}{2}$ interest in this shaft to be credited to the Lone Pine Lode.

No. 6 A shaft, the center of which bears from the Southwest end center N. 56° 27' E. 306 ft., 6 x 8 ft., 47 ft. deep

Value \$564.00

No. 7 A tunnel, the face of which bears from the Southwest end center N. 52° 25' E. 250 ft., running N. 24° E. 19 ft. to breast, 5 x 7 ft.

Value \$190.00

No. 8 A tunnel, the face of which bears from a point on the center line 414 ft. from the Southwest end center N. 72° 47' E. 183 ft., running N. 16° W. 102 ft. thence N. 20° 30' E. 32 ft. to breast, 3 1/2 x 6 1/2 ft.

Value \$1340.00

No. 9 A tunnel the face of which bears from a point on the center line 414 ft. from the Southwest end center, N. 37° 50' E. 241 ft. running N. 13° 30' E. 30 ft. to breast, 4 x 6 1/2 ft.

Value \$300.00

No. 10 A shaft, the center of which bears from a point on the center line 414 ft. from the Southwest end center N. 37° 40' E. 253 ft. 5 x 7 ft. 50 ft. deep.

Value \$500.00.

Lone Pine

No. 1. The discovery cut, the center of which is on the center line 324 ft. from the Southwest end center, 18 ft. long, 5 ft. wide, and 7 1/2 ft. face.

Value \$30.00

An undivided 1/2 interest in No. 5 shaft on the Boulder Mine lode to be credited to this lode

Value 1/2 interest \$630.00

No. 5 shaft on the Boulder Mine lode has been sunk upon the lowest point on the entire claim and from 100 ft. to 500 lower than the Lone Pine lode, which renders it possible to develop this lode at a greater depth with less cost of sinking than from any other point. Its accessibility also renders it the most practicable position for a

shaft for this purpose, as the gulch South of this point to the head of the New England & Clifton Copper Co's tramway, 600 ft. distant, is comparatively wide with flat slope, whereas it is narrow and ascends rapidly in its course to the North.

Instrument

This survey was made with a Berger Sight Mountain Transit. The courses were deflected from the true Meridian as determined by Polar observation, and their lengths were measured with 50 ft, 200 ft, and 500 ft. steel tapes.

Note. The disagreements between these field notes and the location certificates with regard to the position of the discovery points, the course and length of the boundary lines, are due to errors in the latter.

The course of the lines of Survey No. 1712 conflicting with this survey I find in error by two minutes and the course of the North end line of the Prut and Antitam lodes Survey No. 2357 which coincides with the South end line of the Boulder Mine lode, I find in error by three minutes.

Note. The center lines of the lodes coincide with the center lines of the locations as surveyed.

The center of the ledge of the Boulder Mine lode begins at the Northeast end center on line 2-3, at 300 ft. from Cor. No. 2, running

thence $S. 28^{\circ} 47' W.$ 1500 ft. to the South-west end center on line 4-1, at 300 ft. from Cor. No. 1

The center of the ledge of the Lone Pine lode begins at the North east end center on line 2-3, at 63.5 ft. from Cor. No. 2 running thence $S. 28^{\circ} 47' W.$ 1451.6 ft. to the South west end center on line 4-1, at 63.5 ft. from Cor. No. 1

The center of the ledge of the Dead Pine lode begins on line 1-2 at the South west end center, 331.35 from Cor. No. 1, running thence $N. 84^{\circ} 32' E.$ 1500 ft. to the North east end center, on line 3-4, at 331.35 ft. from Cor. No. 1,

The center of the ledge of the El Moro lode begins at the South west end center on line 1-2, at 362.9 ft. from Cor. No. 1, running thence $N. 84^{\circ} 32' E.$ 1497 ft. to the North east end center on line 3-4, at 362.9 ft. from Cor. No. 1

The center line of the ledge of the Dolanthe lode begins on line 1-2 at the South west end center, 332.1 ft. from Cor. No. 1, running thence $N. 84^{\circ} 15' E.$ 1500 ft. to the North east end center, on line 3-4 at 332.1 ft. from Cor. No. 1

Note. The surveys of the lodes in this claim are identical with their respective locations.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Lamar Cobb

United States Deputy 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 The

Arizona Copper Co.
known as the Dead Pine, Solanthe, El Moro, Boulder Mine & Lone Pine

and showing the respective capacities in which they acted.

Paul A. Carey, Chainman. & axman
J. L. Awalk, Chainman. & axman
_____, Axman.
_____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Paul A. Carey

and J. L. Awalk, do solemnly swear that we assisted Lamar Cobb

_____, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of The Arizona Copper Co.

known as the Dead Pine, Solanthe, El Moro, Boulder Mine & Lone Pine

represented in the foregoing field notes as having been surveyed by said deputy 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 United States Surveyor-General for Arizona

Paul A. Carey, Chainman. & axman
J. L. Awalk, Chainman. & axman
_____, Axman.
_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 31st

day of Oct 1907

James H. Kerby
Notary Public

My commission expires July 25th 1910

7-687b5m3-05

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Lewis Cobb, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Oct. 10th 1907, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of The Arizona Copper Co.

Dead Pine, Solauke, El Mora, Bander Mine & Lone Pine, known as the
 situate in Greenlee Gold Mountain Mining District,
Grady County, Arizona, in Section^s
26, 27, 35 & 36, Township No. 9³⁵, Range No. 29 E unsurveyed,
 and designated as Survey No. 2485, 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 Surveyor General with said instructions, and that all the 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 improvements made upon said mining claim by claimant or their its 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.

Lewis Cobb
 U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Lewis Cobb
 U. S. Deputy Mineral Surveyor, before me Jas W Kerby
Notary Public this 31st
 day of Oct 1907,

Jas W Kerby
Notary Public

My Commission Expires
July 25th 1910

Affidavit of Five Hundred Dollars Improvements.

We, Paul A. Carey, and J. L. Swart

sworn according to law, depose and say: That we are of lawful age, being first duly acquainted with the Dead (O.) Solomite, El Moro Boulder Mine & Co. Inc. mining claim, situate in Greenlee Gold M. Mountain Mining district, Graham County, Arizona Territory, for which The Arizona Copper Co.

has made application for same prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and its grantors exceed Five Hundred Dollars in value, and further for each location that we are not personally interested in said mine.

Paul A. Carey
J. L. Swart

TERRITORY OF ARIZONA } ss:
County of Graham

Sworn to and subscribed before me, this 31st day of Oct, 1907



Geo. W. Kirby
Notary Public

My Commission Expires July 1910

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Lone Pine Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by The Arizona Copper Company, a corporation created and existing under the laws of the Territory of Arizona

(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.") the undersigned, on the 9th day of August 1907

The length of this claim is 1451.6 feet, and the claim 324 feet, in a South westerly direction and 1127.6 feet in a North easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 60 feet in width of the surface grounds, on each side of the center of said claim.

The general course of the lode deposit and premises is from the North east to the South west

The claim is situated and located in the Greenlee Gold Mountain Mining District, in Graham County, in the Territory of Arizona, about _____ in a _____ direction from _____

From the South west cor. N. S. L. M. No. 2 bears N. 74° 42' N. 3116.4 ft

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

Monument of stone

at a point in a South westerly direction 324 feet from the discovery shaft (at which this notice is posted), being in the center of the South westerly end line of said claim; thence S 84° 32' N. 63.5 feet to a pine post, being the South west corner of said claim; thence N. 28° 47' E. 1451.6 feet to a pine post, being at the North west corner of said claim; thence N. 84° 32' E. 63.5 feet to a Monument of stone being at the center of the North easterly end of said claim; thence N. 84° 32' E. 63.5 feet to a pine post, being at the North east corner of said claim; thence S 28° 47' N. 1451.6 feet to a pine post at the South east corner of said claim; thence S 84° 32' N. 63.5 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the ground this 9th day of August 1907

The Arizona Copper Company
by M. J. Egan, agent

Filed and recorded at request of A. J. Thomson apt 7-1907 at 9 A.M. Book 19, Record of Mines at page 600, Milt Simms County Records.

TERRITORY OF ARIZONA, }
County of..... } ss

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190..., and duly recorded in Book No..... of.....Records of.....County, Arizona, at pages.....

WITNESS my hand and official seal the day and year first above written.

.....
County Recorder.

Notice of Location

LODE CLAIM

Dated.....190.....

Filed and Recorded at request of.....

.....
A. D. 190.....

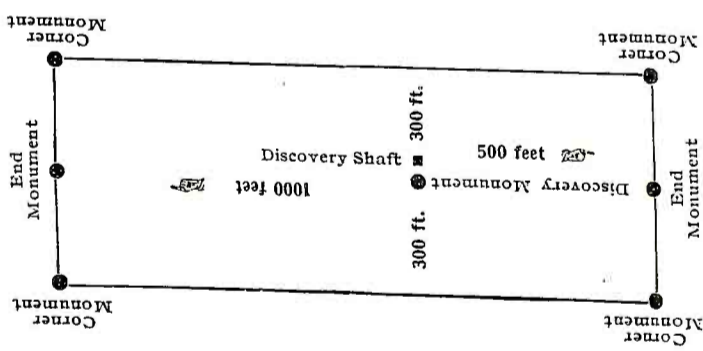
at.....M.

Book.....

Pages.....

.....
County Recorder.

By.....
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

TERRITORY OF ARIZONA,)
 County of Graham,) (ss

I, Mit Simms, County Recorder in and for the County of Graham, Territory of Arizona, do hereby certify that the within and following, is a true, full and complete copy of the within Notice of Location, as the same appears of record in the office of the County Recorder of Graham County, Arizona, and I further certify that the same is recorded in Book 19 of Record of Mines, & at page 600.

In Witness Whereof I have hereunto set my hand and affixed my official seal, this the ^{14th} ~~23rd~~ day of ^{October} ~~September~~, 1907.

Mit Simms
 County Recorder, Graham County,
 Arizona.

AMENDED LOCATION NOTICE. LODE CLAIM.

TO ALL WHOM IT MAY CONCERN: The Arizona Copper Company, has this 10th day of July, 1899 entered upon and located by right of discovery and location fifteen hundred (1500) feet of this vein or lode of mineral bearing rock together with three hundred feet (300) on each side of the centre of same. The name of this mining claim shall be the DEAD PINE and it is situated about one mile east of U.S.L. Monument, No.2 in Greenlee Gold Mountain Mining District, County of Graham, Territory of Arizona. The general course of the vein or lode is from the westerly to the Easterly and we claim 1300 feet in a S. $84^{\circ} 12'$ W. direction and 200 ft in a N. $84^{\circ} 12'$ E. direction from the center of discovery shaft at which this notice is posted, length wise of the claim, together with 300 ft in width on each side of the centre of same.

The surface boundaries are more particularly described as follows, to-wit: Beginning at a monument at the centre of the Easterly end line of claim from which the discovery shaft bears S. $84^{\circ} 12'$ W., 200 feet thence N. $28^{\circ} 50'$ E. 364.6 feet to a stake at the NE ~~x~~ Cor. thence S. $84^{\circ} 12'$ W., 750 feet to a monument thence S. $84^{\circ} 12'$ W. 750 feet to a stake at the NW cor. thence S. $28^{\circ} 50'$ W. ~~350 feet~~ ~~to a stake~~ 364.6 feet to a monument at the centre of the westerly end of claim; thence S. $28^{\circ} 50'$ W. 364.6 feet to a stake at the SW Cor. thence N. $84^{\circ} 12'$ E. 750 feet to a monument; thence N. $84^{\circ} 12'$ E. 750 feet to a stake at the SE cor. thence N. $28^{\circ} 50'$ E. 364.6 feet to the place of beginning. The easterly end line of this claim is coincident with the westerly end line of the Iolanthe lode, also the southerly side line of this claim is coincident with the Northerly side line of the El Mow lode.

This amended certificate of location is made without waiver of any previously acquired rights, but for the purpose of correcting any errors in the original location.

All done under the provisions of Chapter Six of Title Thirty two of the Revised Statutes of the United States and of an Act of the General Assembly of Arizona, entitled " An Act Concerning Mines" approved March 20th 1895.

Dated on the ground this 10th day of July, 1899.

Witness, W.J. Atkinson, The Arizona Copper Co. Locator.

A.F. Malphette, By James Colquhoun, Agent.

date of original Location . Jan 1st 1895.

Date of recording " " Jan 3rd, 1895, Book 9 page 348.

Recorded the 14 day of Sept 1899 at 2 o'clock P.M. at the request of Arizona Copper Co.,

Pedro Michelena, County Recorder,
By Fred Dysart, Deputy.

Book 11, pages 416 and 417.

TERRITORY OF ARIZONA,)
 County of Graham,) ss

I, MIT SIMMS, County Recorder in and for the County of Graham, Territory of Arizona, do hereby certify that the within and following, is a true, full and complete copy of the within mentioned ^{Amended} Notice of Location, as the same appears of record in the office of the County Recorder of Graham County, Arizona, and I further certify that the same is recorded in Book 11 Record of Mines, at pages 416 + 417

In Witness Whereof, I have hereunto set my hand and affixed my official seal, this the 23rd day of September, A.D.1907.

Mit Simms
 County Recorder, Graham County
 Arizona.

AMENDED LOCATION NOTICE, LODE CLAIM.

TO ALL WHOM IT MAY CONCERN: The Arizona Copper Company, has this loth day of July, 1899 entered upon and located by right of discovery and location fifteen hundred (1500) feet of this vein, or lode of mineral bearing rock together with (300ft) three hundred feet on each side of the centre of same. The name of this mining claim shall be IOLANITE and it ~~is~~ is situated about one mile and a quarter east of U.S.L. How No. 2 in Greenlee Gold Mountain Mining District, County of Graham, Territory of Arizona.

The general course of the vein or lode is from the westerly to the easterly and we claim 30 feet in a S. 84° 12' W. direction and 1470 feet in a N. 84° 12' E. direction, from the center of discovery shaft at which this monument is posted lengthwise of the claim, together with 300 feet inwidth on each side of the center of same.

The surface boundaries are more particularly described as follows, to-wit: Beginning at a monument at the centre of the Westerly end line of the claim from which the discovery shaft bears N. 84° 12' E. 30 feet thence N. 28° 50' E. 364.6 feet to a stake at the NW cor. thence N. 84° 12' E. 750 ft to a monument of stone; thence N. 84° 12' E. 750 ft to a stake at the NE Cor. thence S. 28° 50' W. 364.6 ft to a monument at the center of the easterly end of claim, thence S. 28° 50' W. 364.6 ft to a stake at the SE Cor. thence S. 84° 12' W. 750 ft to a monument thence S 84° 12' W. 750 ft to a stake at the SW cor. thence N. 28° 50' E. 364.6 ft to the place of beginning.

This amended certificate of location is made without waiver of any previously acquired rights but for the purpose of correcting any error in the original location.

All done under the provisions of Chapter Six, of Title thirty-two of the Revised Statutes of the United States and of an Act of the general assembly of Arizona, entitled " An Act Concerning Mines" approved March 20th 1895.

Dated on the ground this 10th day of July, 1899.

Witness: W.J. Atkinson, The Arizona Copper Co. Locator.
 A.F. Halphette, By James Colquhoun, Agent.

Date of Original Location, Jan 1st 1895.

" of recording " " Jan 3rd 1895 Book 8, page 346.

Recorded the 14 day of Sept, 1899 at 2 o'clock P.M. at the
 request of Arizona Copper Co.,

Pedro Michelena, County Recorder,


By Fred Dysart, Deputy.

Book 8 - 417 - 18

TERRITORY OF ARIZONA,)
 County of Graham,)^{ss}

I, MIT SIMMS, County Recorder in and for the County of Graham, Territory of Arizona, do hereby certify that the within and following, is a true, full and complete copy of the within mentioned ^{Amended} Notice of Location, as the same appears of record in the office of the County Recorder of Graham County, Arizona, and I further certify that the same is recorded in Book Record of Mines, at page 417 & 418.

In Witness Whereof, I have hereunto set my hand and affixed my official seal, this the 23rd day of September, A.D.1907.



 County Recorder, Graham County
 Arizona.

NOTICE OF LOCATION. QUARTZ CLAIM.

TO ALL WHOM IT MAY CONCERN: Notice is hereby given that the undersigned having complied with all the requirements of Chapter VII of Title 32 of the Revised Statutes of the United States and the local mining laws, rules and regulations has this day located fifteen hundred (1500) linear feet of this vein or lode bearing precious metals with all dips spurs angles and variations with surface ground three hundred(300) on each side of the center of vein with all mineral deposits contained therein and all timber growing within the ~~privileges~~ limits of said claim and ~~shall~~ all water and water privileges therein or spurtenant thereto under and according to the provisions of the United States mining laws under which it is located. This claim commences at this monument and notice place upon the ledge and runs seven hundred and fifty(750) feet in a North 84° 12' East direction and seven hundred and fifty (750) feet in a south 84° 12' West direction along the ledge. The exterior boundaries are as follows, to-wit: Commencing at a monument of stone at the center of the Westerly end line of claim and running three hundred and sixty five (365) feet in a south 28° 50' West direction to a monument of stone at southwest corner of claim; thence in a North 84° 12' East direction parallel with the ledge fifteen hundred (1500) feet to a monument of stone at south easter__ corner of claim thence across the ledge in a North 28° 50' East direction seven hundred and thirty(730) feet to a monument of stone at North east corner of claim; thence parallel with the ledge in a South 84° 12' West direction fifteen hundred(1500) feet to a monument of stone at Northwest corner of claim; thence across the ledge in a South 28° 50' West direction three hundred and sixty five (365) feet to a monument upon the ledge and place of beginning. This ledge may be more generally described as situated just south of and adjoining the "Dead Pine Mine". NOTE; The Northerly side line of this claim is exactly identical with the Southerly side line of the Dead Pine Mine. All courses herein mentioned refer to the true meridian, in Greenlee Gold Mountain Mining District Graham County, Territory of Arizona, and shall be known as the "El Moro" mining claim.

Dated on the ground this sixteenth day of March, 1895.

Witness, J.G. Hopkins, Wythe Denby) James Colquhoun, Locator.

Recorded at the request of Jas Colquhoun Mch 17th 1895 at 1 o'clock A.M.

M. Leon, Co. Recorder.

TERRITORY OF ARIZONA,) (as
 County of Graham,)

I, MIT SIMMS, County Recorder in and for the County of Graham, Territory of Arizona, do hereby certify that the within and following, is a true, full and complete copy of the within mentioned Location notice as the same appears of record in the office of the County Recorder of Graham County, Arizona, and I further certify that the same is recorded in Book 4 Record of Mines, at page 205.

IN WITNESS WHEREOF, I have hereunto
 set my hand and affixed my official
 seal, this the 23rd day of September,
 A.D.1907.

Mit Simms

County Recorder, Graham County

Arizona.

Location Notice.

Notice is hereby given; That the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10, 1872 we this day locate and claim 1500 linear feet along the course of this lead lode or vein of mineral bearing quartz and 300 feet in width on each side of the middle of said lead, lode or vein situated in the Greenly Gold Mountain mining District, County of Graham, Arizona, and more particularly described as follows, to-wit:

Commencing at a monument of stones, being the center of the North end of claim and thence 300 feet west to a monument of stones thence 1500 feet South to a monument of stones; thence 300 feet East to a monument of stones, being the center of the south end of claim; thence 300 feet east to a monument of stones; thence 1500 feet North to a monument of stones; thence 300 feet west to the place of beginning.

The initial monument of this claim is situated on a granite rock about 10 feet from the discovery shaft, and at the forks of a gulch that runs from the west side of the Lone Pine Mine and East Chases Creek claiming from said Initial Monument 400 feet North and 1100 feet south and shall be known as the Boulder Mine.

Located 23rd day of February, 1886.

Witness, Jim Guthrie.

Locators.

L.J.Wise

Charles Vernon

Isaac Mann

Recorded on receipt at the request of Isaac Mann at 9 o'clock A.M.
April 21st 1886.

Geo. H. Stevens, Recorder,

By P. Michelena, Deputy.

TERRITORY OF ARIZONA,)

County of Graham,) (as

I, MIT SIMMS, County Recorder in and for the County of Graham, Territory of Arizona, do hereby certify that the within and following, is a true, full and complete copy of the within mentioned Location Notice, as the same appears of record in the office of the County Recorder of Graham, County, Arizona, and I further certify that the same is recorded in Book 8 at page 419.

Record of Mines

In Witness Whereof, I have hereunto set my hand and affixed my official seal this the 23rd day of September, A.D.1907.

Mit Simms

 County Recorder, Graham County,
 Arizona.

U. S. SURVEYOR GENERAL'S FINAL CERTIFICATE ON
FIELD NOTES.

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona

January 28, 1908 .

I, U. S. Surveyor General for District of Arizona,
do hereby certify that the foregoing transcript of the Field Notes, return and approval
of the Survey of the mining claim of

The Arizona Copper Co.,
known as the DEAD PINE, IOLANTHE, EL MORO, BOULDER MINE
and LONE PINE, situate in Greenlee Gold Mountain
Mining District, Graham County,
Arizona, in Sections 26, 27, 34 & 35, Township No. 3 S.,
Range No. 29 E. Unsur., and designated as Survey

No. 2485, has been correctly copied from the originals on
file in this office; that said Field Notes furnish such an accurate description of said
mining claim as will, if incorporated into a patent, serve fully to identify the premises,
and that such reference is made therein to natural objects or permanent monuments as
will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended
or improvements made upon ^{or for each of} said mining claim by claimant or its grantors, and
that said improvements consist of 13 tunnels, 9 cuts and 9 shafts,
total value, \$15604.00

and that no portion of said labor or improvements has been included in the estimate of
expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix
Arizona is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls

United States Surveyor General for Arizona.

4-687.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD
NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

Office of U. S. Surveyor-General,

Phoenix, Arizona

January 28, 1908.

I, U. S. Surveyor-General for District of Arizona

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

The Arizona Copper Co.

known as the
DEAD PINE, IOLANTHE, EL MORO, BOULDER MINE and LONE PINE

situate in Greenlee Gold Mountain Mining District,

Graham County, Arizona

in Sections 26, 27, 34 & 35 Township No. 3 S., Range No. 29 E., Unsur.

designated as Survey No. 2485

executed by Lamar Cobb, U. S. Deputy Mineral

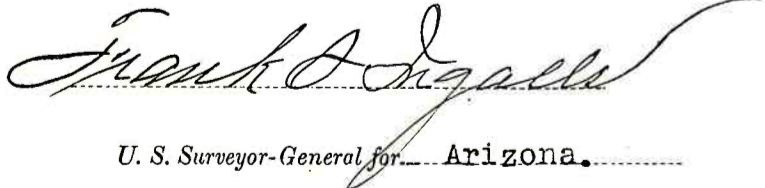
Surveyor, October 12, - 14, 1907, under my instructions dated

Sept. 10, 1907, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.


U. S. Surveyor-General for Arizona

Large
Map