

JAN 24 1921
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MINERAL SURVEY No. 3710

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Illinois Arizona Copper Company

KNOWN AS THE

RUBY, EMERALD, HANNAH, RUATH, DAURA, LION, FOX, JACK RABBIT, CENECA, BUTTE,
and CHICAGO BOY Lodes

Seneca

Mining District,

Yuma

County, Arizona

Section 24 and 25, Township 10 N., Range 19 W.

Surveyed under instructions dated September 27, 19 20

by J.N. Stevens

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced October 3, 1920

Survey completed October 13, 19 20

Address of claimant Ralph W. Langworthy, Atty., Tucson, Ariz.

DATES OF AMENDED LOCATIONS.

See letter 1-15-21
re sec. lines

MINERAL SURVEY No. 3710

	M & B. Desc.	Improvements	Loc. Notices
	Pg.	Pg.	<u>Red Pg.</u>
Claims			
Butte	14	23	19
Ceneca	13	23	17
Chicago Boy	15	24	21
Daura	7	21	9
Emerald	2	20	3
Fox	10	22	13
Hannah	4	20	5
Jack Rabbit	11	22	15
Lion	9	22	11
Ruath	6	20	7
Ruby	1	18	1

Feet

MINERAL SURVEY NO. 3710

RUBY LODE

Beginning at Cor. No.1 identical with loc. mon. on line 2-3 Ruath lode of this Sur.

A limestone rock in place 10 ft wide by 15 ft long on summit of high ridge, chiseled with cross (x) 1-R, 3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside, whence the 1/4 corner bet. Secs. 24-25 T.10, N. R. 19 W. brs S $30^{\circ}13'$ W. 943.97 ft.

No other bearings are available

Thence N. $34^{\circ}38'$ W.
Va. $14^{\circ}30'$ E.

300 To W. end center.

A pine post 4 ins. sq. by 4 ft. high set firmly in the ground and surrounded with md. of stone $3\frac{1}{2}$ ft. base by 3 ft. high, scribed W. Cr. R.

575 Road brs. N.E.

600 To Cor. No.2 identical with Cor. No.3 Ruath lode and on line 4-1 Emerald lode, both of this Sur.

A limestone rock 7 X 5 X 12 ins. above ground, set 12 ins. in the ground, chiseled with a cross (X) 2 Ruby 3-R. 3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence N. $55^{\circ}22'$ E.
Va. $14^{\circ}30'$ E.

50 Road brs. Northeasterly.
477.17 Road brs. Easterly.
552.17 To Cor. No. 4 Emerald lode of this Sur. hereinafter described.

1498.0 To Cor. No. 3.

A porphyry rock 4 X 6 X 10 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 3R-3710 with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available.

Thence S. $34^{\circ}38'$ E
Va. $14^{\circ}30'$ E.

MINERAL SURVEY NO. 3710

Feet

RUBY LODE Cont'd.

300 To E. end Center.

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high scribed E.Cr.R

600 To Cor. No.4

A quartzite ledge 10 ft high by 25 ft long, chiseled with cross (X) 4-R-3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence S $55^{\circ} 22'$ W.

Va. $14^{\circ} 30'$ E.

1498.0 To Cor. No. 1 the place of beginning.

EMERALD LODE.

Beginning at Cor.No.1 identical with Cor.No.4 Ruath and Daura lodes both of this Sur.

A quartzite rock 8 X 8 X 10 ins. above ground set 12 ins. in ground, chiseled with cross (X) 1E,4D,4R-3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside, thence the $\frac{1}{4}$ Cor.bet. Secs. 24 and 25 T.10 N.R. 19 W. G & S R M brs. S $20^{\circ} 22'$ E. 1033.0 ft.

No other bearings are available.

Thence N. $34^{\circ} 38'$ W.

Va. $14^{\circ} 30'$ E.

150 To W. end Center.

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high, scribed W.Cr.E.

300 To Cor. No.2

A limestone rock 8 X 8 X 7 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 2-E,3710 with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

MINERAL SURVEY NO. 3710

Feet

EMERALD LODE Cont'd

No bearings are available

Thence N 55° 22' E.

Va. 14° 30' E.

1152.17 To Cor. No. 3

A limestone rock 5 X 10 X 10 ins. above ground set 12 ins. in the ground, chiseled with a Cross (X) 3-E 3710 with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available

Thence S 34° 38' E.

Va. 14° 30' E.

150 To East end center.

A pine post 4 ins. Sq. by 4 ft. high set firmly in the ground and surrounded with md. of stone 3½ ft base by 3 ft high, scribed E Cr.E.

300 To Cor. No. 4 on line 2-3 Ruby lode of this Sur.

A limestone 8 x 10 X 12 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 4-E-3710 with md. of stone 3½ ft base by 3 ft high alongside.

No bearings are available

Thence S 55° 22' W

Va. 14° 30' E.

75 Road brs easterly.

502.17 Road brs. northeasterly.

552.17 To Cor. Nos 2 and 3 Ruby and Ruath lodes respectively of this Sur. heretofore described.

652.17 Gulch brs. southwest.

800 Road brs. northeasterly.

852.17 To N. end Center Ruath lode of this Sur. hereinafter described.

1020 Road brs northeasterly.

1152.17 To Cor. No. 1, the place of beginning.

MINERAL SURVEY NO. 3710

Feet

HANNAH Lode.

Beginning at Cor.No.1 identical with Cor.No.2 Daura lode, on line 1-2 Fox lode, both of this Sur.

A porphyry rock 8 X 10 X 8 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 1-H, 2-D 3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft. high alongside, whence the 1/4 cor. bet. Secs. 24 and 25 T.10 N.R. 19 W. G & S R M brs N $6^{\circ}30'W$. 730.7 ft.

No other bearings are available

Thence S $10^{\circ}11'W$

Va. $14^{\circ}30'E$.

8.25	To W. end center Fox lode of this Sur. hereinafter described.
20.0	Road brs. N.E.
175.25	Gulch brs. westerly.
309.41	To Cor. Nos. 1 and 2 Lion and Fox lodes respectively both of this Sur. hereinafter described.
374.0	To E. end center. A pine post 4 ins. sq. by 4 ft. high set firmly in the ground and surrounded with a md. of stone $3\frac{1}{2}$ ft base by 3 ft high, scribed E Cr.H.
608.81	To W. end center Lion lode of this Sur. hereinafter described.
749.43	To Cor.No.2 identical with Cor.No. 4 Butte lode of this Sur. A limestone rock 5 X 10 X 10 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 2-H, 4-B 3710 with md. of stone $3\frac{1}{2}$ ft. base by 3 ft. high alongside. No bearings are available. Thence N. $34^{\circ}38'W$ Va. $14^{\circ}30'E$.
575	Gulch brs. westerly.
675	Road brs. easterly.
1500	To Cor. No.3 identical with Cor.No.1 Butte lode of this Sur.

MINERAL SURVEY No. 3710

Feet

HANNAH Lode Cont'd

A limestone ledge 15 ft. high by 25 ft. long, chiseled with a cross (X) 3-H, 1-B, 3710 with md. of stone 3 1/2 ft base by 3 ft. high alongside.

No bearings are available

Thence N. 10° 11' E

Va. 14° 30' E.

235.66

Intersect Sec. line bet. Secs. 24 and 25 T. 10 N. Range 19 W. at S 89° 50' E., 1772.33 ft from Cor, to Secs. 23, 24, 25 and 26, and N. 89° 50' W. 860.67 ft from 1/4 Cor. bet. Secs. 24 and 25.

375.43

To W. end Center.

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone 3 1/2 ft base by 3 ft high, scribed W Cr. H.

500

Road Brs. N. 11° E.

675

Gulch brs. S.W.

749.43

To Cor. No. 4, identical with Cor. No. 3 Daura lode of this Sur.

A granite rock 8 X 8 X 6 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 4 H, 3 D 3710 with md of stone 3 1/2 ft base by 3 ft high alongside.

A porphyry ledge 5 ft high by 25 ft long brs. N. 21° E 26 ft, chiseled with Cross (X) 3, 4 -3710 B.R.

No other bearings are available

Thence S. 34° 38' E.

Va. 14° 30' E

40

Gulch brs. S.W.

50

Road Brs. S.W.

616.13

Intersect Sec. line bet. Secs. 24 and 25 T. 10 N. R. 19 W. at S 89° 50' E. 2213.33 ft. from Cor. to Secs. 23, 24, 25 and 26 and N. 89° 50' W. 419.67 ft. from 1/4 Cor. bet. Secs. 24 and 25.

1500

To Cor. No. 1 the place of beginning.

MINERAL SURVEY NO. 3710

RUATH Lode

Beginning at Cor.No.1, identical with Cor.No.1
Daura lode of this Sur.

A limestone rock 6 x 8 x 12 ins. above ground, set
12 ins. in the ground, chiseled with Cross (X) 1R, 1D,
3710 with md. of stone $3\frac{1}{2}$ ft base by 3 ft high alongside,
whence the 1/4 cor. bet. Secs 24 and 25 T. 10 N.R. 19 W.
brs. N $61^{\circ} 40'$ W. 560.1 ft.

No other bearings are available.

Thence N. $55^{\circ} 22'$ E.

Va. $14^{\circ} 30'$ E.

300 To S. end center.

A pine post 4 ins. Sq. by 4 ft high set firmly in
the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base
by 3 ft high, scribed S Cr. R.

340.0 Road brs easterly.

459.70 Intersect Sec.line bet. Secs. 24 and 25 T. 10 N. R. 19 W.
at S. $89^{\circ} 42'$ E. 871.255 ft from 1/4 Cor. bet. Secs 24 and
25, and N $89^{\circ} 42'$ W. 1776.757 ft from Cor. to Secs 19, 24
25 and 30.

600 To Cor.No.2

A porphyry rock 6 x 6 x 10 ins. above ground, set 12
ins. in the ground, chiseled with Cross (X) 2 R-3710
with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence N $34^{\circ} 38'$ W

Va. $14^{\circ} 30'$ E

900 To Cor. No.1 Ruby lode of this Sur. heretofore described.

1200 To W. end center Ruby lode of this Sur. heretofore de-
scribed.

1475 Road brs N.E.

1500 To Cor. No.3 identical with Cor.No. 2 Ruby lode of this
Sur. heretofore described.

MINERAL SURVEY NO. 3710

Feet

RUATH Lode, Cont'd

Thence S^o 55 22' W
Va. 14° 30' E

100	Gulch brs S.W.
247.83	Road brs northeasterly.
300	To N. end center. A pine post 4 ins. sq. by 4 ft. high set firmly in the ground and surrounded with a md. of stone 3½ ft. base by 3 ft. high scribed N Cr.R.
467.83	Road brs northeasterly.
600	To Cor.No.4 identical with Cor.Nos. 1 and 4 Emerald and Daura lodes, respectively, of this Sur. heretofore described.
	Thence S 34° 38' E. Va. 14° 30' E.
30	Road brs N.E.
85	Gulch brs. westerly.
1178.91	Intersect. Sec. line bet. Secs. 24 and 25 T.10 N.R. 19 W. at S. 89° 42' E. 310.52 ft. from 1/4 cor. bet. Secs. 24 and 25 and N. 89° 42' W. 2337.48 ft from Cor. to Secs 19, 24, 25 and 30.
1440	Road brs. Northeasterly
1500	To Cor.No. 1, the place of beginning.

DAURA Lode.

Beginning at Cor.No. 1 identical with Cor.No.1 Ruath lode of this Sur. heretofore described whence the 1/4 Cor. bet. Secs. 24 and 25 T 10 N. R. 19 W. brs. N. 61° 40' W 560.1 ft

Thence S 41° 43' W

Va. 14° 30' E

208.84	Intersect line 4-1 Fox lode of this Sur. N 87° 33' E., 218.55 ft. from Cor. No.1
308.3	To S. end Center.

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high, Scribed S Cr. D.

MINERAL SURVEY NO. 3710

Feet

DAURA Lode Cont'd

- 550.00 Road brs northeasterly
- 616.6 To Cor, No.2, identical with Cor.No. 1 Hannah lode of this Sur. heretofore described. On line 1-2 Fox lode of this survey, S.10° 11' W. 299.75 ft from Cor. No.1.
Thence N. 34° 38' W
Va. 14° 30' E.
- 883.87 Intersect Sec. line bet. Secs 24 and 25, T. 10 N.R. 19 W. at N. 89° 50' W. 419.67 ft from 1/4 Cor. and S.89° 50' E 2213.33 ft from Cor. to Secs. 23, 24, 25 and 26.
1450. Road brs. S.W.
- 1460 Gulch brs. S.W.
- 1500 To Cor. No.3 identical with Cor. No.4 Hannah lode of this Sur. heretofore described.
Thence N. 41° 43' E.
Va. 14° 30' E.
- 308.3 To N. end Center.
A pine post 4 ins.sq. by 4 ft. high set firmly in the ground and surrounded with a md. of stone 3½ ft base by 3 ft high scribed N. Cr.D:
- 500 Road brs N.E.
- 616.6 To Cor. No.4 identical with Cor.Nos. 1 and 4 Emerald and Ruath lodes respectively of this Sur. heretofore described.
Thence S 34° 38' E
Va. 14° 30' E
- 30 Road brs N.E.
- 85 Gulch brs westerly.
- 1178.91 Intersect Sec line bet. Secs 24 and 25 T.10 N.R.19 W. at S.89° 42' E. 310.52 ft from 1/4 Cor. and N.89° 42' W. 2337.48 ft from Cor. to Secs. 19, 24, 25 and 30.
- 1440 Road brs. northeasterly.
- 1500 To Cor. No. 1, the place of beginning.

MINERAL SURVEY NO. 3710

Feet

LION Lode.

Beginning at Cor.No. 1, identical with Cor.No.2
Fox lode on line 1-2 Hannah lode both of this Sur.

A limestone rock 5 X 7 X 8 ins. above ground, set
12 ins. in the ground, chiseled with cross (X) 1 L, 2 F -
3710, with md. of stone $3\frac{1}{2}$ ft base by 3 ft high along-
side, whence the 1/4 cor. bet. Secs. 24 and 25 T.10 N.
R.19 W. brs. N $1^{\circ} 33' W.$, 1031.45 ft.

No other bearings are available.

Thence S $10^{\circ} 11' W$

Va $14^{\circ} 30' E.$

64.59 To E. end center, Hannah lode of this Sur. heretofore
described.

299.4 To W. end Center.

A pine post 4 ins. sq. by 4 ft. high set firmly
in the ground and surrounded with a md. of stone $3\frac{1}{2}$ ft.
base by 3 ft. high, scribed W. Cr, L.

440.02 To Cor. Nos. 2 and 4 Hannah and Butte lodes respectively
both of this Sur. heretofore described.

599.4 To Cor. No. 2 identical with Cor.No.3 Ceneca lode of
this Sur.

A limestone rock 6 X 8 X 10 ins. above ground, set
12 ins. in the ground, chiseled with Cross (X) 2 L, 3 C
3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence N. $86^{\circ} 53' E.$

Va. $14^{\circ} 30' E.$

1495.29 To Cor. No. 3 identical with Cor. No. 2 Ceneca lode of
this Sur.

A limestone 7 X 8 X 10 ins. above ground set 12
ins. in the ground, chiseled with a cross (X) 3 L, 2 C,
3710 with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence N $10^{\circ} 11' E$

Va. $14^{\circ} 30' E.$

MINERAL SURVEY No. 3710

Feet

LION Lode Cont'd

- 300 To E. end Center.
 A pine post 4 ins. square by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high, scribed E Cr.L.
- 595.6 To Cor. No.4, identical with Cor.No.3 Fox lode of this Sur.
 A limestone ^{rock}/₆ X 8 X 12 ins. above ground set 12 ins. in the ground chiseled with a Cross (X) 4 L, 3 F, 3710, with md. of stone $3\frac{1}{2}$ ft. base by 3 ft. high alongside.
 No bearings are available.
 Thence S $87^{\circ}01'30''$ W
 Va. $14^{\circ}30'$ E.
- 1494.42 To Cor. No. 1, the place of beginning.

FOX Lode.

- Beginning at Cor.No.1.
 A limestone ^{rock}/₁₀ X 12 X 2 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 1 F 3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside, whence the 1/4 cor. bet Secs 24 and 25 T. 10 N. R 19 W. brs N. $17^{\circ}28'$ W. 451.93 ft.
 No other bearings are available.
 Thence S $10^{\circ}11'$ W.
 Va. $14^{\circ}30'$ E.
- 299.75 To Cor. Nos. 1 and 2, Hannah and Daura lodes respectively of this Sur heretofore described.
- 308.0 To W. end Center. A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high, scribed W Cr.F.
- 319.75 Road brs. N.E.
- 475.0 Gulch brs westerly.
- 609.16 To Cor.No.2 identical with Cor.No. 1 Lion lode of this Sur, heretofore described.

MINERAL SURVEY NO.3710

Feet

FOX Lode Cont'd

Thence N. $87^{\circ}01' 30''$ E
 Va. $14^{\circ}30'$ E.

1494.42 To Cor No.3, identical with Cor.No.4 Lion Lode of this
 Sur. heretofore described.

Thence N. $10^{\circ}11'$ E
 Va. $14^{\circ}30'$ E

301.16 To E End Center.

A pine post 4 ins. sq. by 4 ft high, set firmly
 in the ground and surrounded with md of stone $3\frac{1}{2}$ ft
 base by 3 ft high, scribed E Cr. F.

595.12 To Cor.No.4.

A porphyry rock 8 x 10 x 6 ins. above ground, set
 12 ins. in the ground, chiseled with a cross (X) 4-F,
 3710 with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available.

Thence S $87^{\circ}33'$ W.

Va. $14^{\circ}30'$ E.

1180 Gulch brs. S.W.

1272.74 Intersect line 1-2 Daura lode of this Sur.

1360 Road brs S.W.

1491.29 To Cor. No. 1, the place of beginning.

JACK RABBIT Lode.

Beginning at Cor.No.1, identical with Cor.No.1
 Seneca lode of this Sur.

A limestone rock in place showing 2 x 2 x 3 ft
 above ground, chiseled with cross (X) 1-JR, 1 C, 3710
 with md. of stone $3\frac{1}{2}$ ft base by 3 ft high alongside,
 whence the E $1/4$ Cor. Sec.25 T. 10 N.R. 19 W. brs
 S. $68^{\circ}47'$ E, 1433.5 ft.

No other bearings are available.

Thence S $10^{\circ}11'$ W

Va. $14^{\circ}30'$ E.

MINERAL SURVEY NO. 3710

Feet

JACK RABBIT Lode cont'd

- 275 Gulch brs S.W.
- 300 To E. end center.
- A porphyry rock 6 x 10 x 12 ins. above ground set 12 ins. in the ground, chiseled with Cross (X) E.Cr. JR, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.
- 595.6 To Cor.No.2.
- A limestone 8 x 12 x.2 ins. above ground set 12 ins. in the ground, chiseled with cross (X) 2 JR -3710 with md. of stone $3\frac{1}{2}$ ft. base by 3 ft. high alongside.
- No bearings are available.
- Thence S $86^{\circ}33'20''$ W
- Va. $14^{\circ}30'$ E.
- 425 Gulch brs. S.W.
- 1497.34 To Cor.No.3. A limestone rock 5 X 11 X 6 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 3 JR - 3710 with md. of stone $3\frac{1}{2}$ ft. base by 3 ft high alongside.
- No bearings are available
- Thence N. $10^{\circ}11'$ E
- Va. $14^{\circ}30'$ E.
- 299.4 To W. end center.
- A pine post 4 ins. sq. by 4 ft high, set firmly in the ground and surrounded with md of stone $3\frac{1}{2}$ ft base by 3 ft high, scribed W. Cr. JR.
- 599.4 To Cor. No. 4, identical with Cor. No.4 Ceneca lode of this Sur..
- A porphyry rock 6 X 8 X 10 ins. above the ground set 12 ins. in the ground, chiseled with cross (X) 4 JR, 4 C - 3710, with md of stone $3\frac{1}{2}$ ft. base by 3 ft. high alongside.
- No bearings are available.
- Thence N. $86^{\circ}41'50''$ E.
- Va. $14^{\circ}30'$ E.

MINERAL SURVEY No. 3710

Feet

JACK RABBIT Lode Cont'd

1496.45 To Cor.No.1, the place of beginning.

CENECA LODE.

Beginning at Cor.No.1, identical with Cor.No.1 Jack Rabbit lode of this Sur. heretofore described, whence the E 1/4 Cor. of Sec 25 T 10 N R. 19 W. brs. S 68° 47' E. 1433.5 ft.

Thence N. 10° 11' E.

Va. 14° 30' E.

100 Gulch brs. southerly.

300 To E end center'

A pine post 4 ins. sq. by 4 ft high, set firmly in the ground and surrounded with a md of stone 3 1/2 ft base by 3 ft high, scribed E Cr.C.

500 Gulch brs. Southwesterly.

595.4 To Cor.No.2, identical with Cor.No. 3, Lion lode of this Sur. heretofore described.

Thence S 86° 53' W

Va. 14° 30' E.

1495.29 To Cor.No.3, identical with Cor.No.2 Lion lode of this Sur. heretofore described.

Thence S 10° 11' W.

Va. 14° 30' E.

214.62 To E. end center' Butte lode of this Sur, hereinafter described.

300.4 To W. end Center.

A pine post 4 ins. sq. by 4 ft high, set firmly in the ground and surrounded with a md of stone 3 1/2 ft base by 3 ft high, scribed W.Cr.C.

590.05 To Cor.No. 3 Butte lode of this Sur. hereinafter described.

600.4 To Cor.No. 4, identical with Cor.No. 4 Jack Rabbit lode of this Sur. heretofore described.

Feet	MINERAL SURVEY NO. 3710
	CENECA LODE Cont'd
	Thence N 86° 41' 50" E
	Va 14° 30' E.
1496.45	To Cor. No. 1, the place of beginning.
	<u>BUTTE LODE</u>
	Beginning at Cor.No.1, identical with Cor.No.3 Hannah lode of this Sur. heretofore described, whence the 1/4 cor. bet. Secs 24 and 25 T. 10 N.R. 19 W Brs. N.75°44' E. 931.05 ft.
	Thence S 10° 11' W
	Va. 14° 30' E
374	To W. end center.
	A pine post 4 ins. sq. by 4 ft high, set firmly in the ground and surrounded with a md of stone 3½ ft base by 3 ft.high , scribed W. Cr. Butte.
749.43	To Cor. No.2, identical with Cor.No. 3, Chicago Boy lode of this Sur.
	A porphyry rock 4 X 12 X 10 ins. above ground, set 12 ins. in the ground, chiseled with a cross (X) 2B,3 CB 3710, with md. of stone 3½ ft. base by 3 ft. high alongside.
	No. bearings are available
	Thence S 34° 38' E.
	Va. 14° 30' E
90	Road brs N.E.
300	To N. end center, Chicago Boy lode of this Sur. hereinafter described.
310	Gulch brs S.W.
600	To Cor. No.4 Chicago Boy lode, of this Sur. hereinafter described.
1500.	To Cor. No. 3
	A limestone rock 6 X 8 X 6 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 3 B 3710,

MINERAL SURVEY NO. 3710

Feet

BUTTE Lode Cont'd

with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence N. $10^{\circ}11'$ E

Va. $14^{\circ}30'$ E

289.65 To W. end center Ceneca Lode of this Sur heretofore described.

375.43 To E. end center.

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high scribed E Cr.B.

590.05 To Cor. Nos. 2 and 3 Lion and Ceneca lodes respectively of this Sur. heretofore described.

749.43 To Cor. No.4, identical with Cor. No.2 Hannah lode of this Sur. heretofore described.

Thence N. $34^{\circ}38'$ W.

Va. $14^{\circ}30'$ E.

575 Gulch brs westerly

675 Road brs easterly.

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

CHICAGO BOY Lode

Beginning at Cor. No. 1

A porphyry Rock 10 X 12 X 12 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 1 CB 3710 with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside, whence the W $1/4$ Cor. Sec 25 T. 10 N. R.19 W. brs S $72^{\circ}10'$ W. 1003.13 ft.

No other bearings are available

Thence N. $34^{\circ}38'$ W

Va. $14^{\circ}50'$ E.

300 To S. end Center.

MINERAL SURVEY NO. 3710

Feet

CHICAGO BOY Lode Cont'd

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high, scribed S Cr. C.B.

600 To Cor. No. 2

A porphyry rock 8 X 10 X 12 ins. above ground, set 12 ins. in the ground, chiseled with a cross (X) 2-CB - 3710, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

No bearings are available

Thence N $48^{\circ} 54'$ E

Va. $14^{\circ} 30'$ E.

70 Gulch brs S.W.

940 Road brs Westerly.

1314.8 To Cor. No. 3 identical with Cor. No. 2 Butte lode of this Sur. heretofore described.

Thence S $34^{\circ} 38'$ E.

Va. $14^{\circ} 30'$ E.

90 Road Brs. N.E.

300 To N. end center,

A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high. Scribed N Cr.-CB.

310 Gulch brs S.W.

600 To Cor. No. 4.

A porphyry rock 4 X 10 X 4 ins. above ground set 12 ins. in the ground, chiseled with cross (X) 4 CB-3710 with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside.

Loc. Mon brs N. 49° E 175 ft.

No other bearings are available

Thence S $48^{\circ} 54'$ W

Va. $14^{\circ} 30'$ E.

1314.8 To Cor. No. 1, the place of beginning.

MINERAL SURVEY No. 3710

LODE LINES.

As near as can be determined from the present developments the veins of the several locations embraced in this claim extend as follows from their respective discovery points.

- RUBY Lode, S 55° 22' W, 700 ft and N. 55° 22' E. 798 ft. ✓
- EMERALD Lode, S 55° 22' W, 450 ft and N. 55° 22' E. 702.17 ft. ✓
- HANNAH Lode, S 34° 38' E, 260 ft and N. 34° 38' W. 1240 ft. ✓
- RUATH Lode, N 34° 38' W, 165 ft and S. 34° 38' E 1335 ft. ✓
- DAURA Lode, N 34° 38' W. 210 ft and S 34° 38' E 1290 ft. ✓
- LION Lode, S 86° 53' W, 230 ft and N. 86° 53' E 1265.29 ft. ✓
- FOX Lode, S 87° 01' 30" W, 45 ft and N. 87° 01' 30" E. 1449.42 ft. ✓
- JACK RABBIT Lode, S 86° 41' 50" W, 550 ft. & N 86° 41' 50" E. 946.45 ft. ✓
- CENECA Lode, S 86° 41' 50" W, 480 ft and N. 86° 41' 50" E. 1016.45 ft. ✓
- BUTTE Lode, S 34° 38' E, 575 ft and N. 34° 38' W. 925 ft. ✓
- CHICAGO BOY Lode, N 48° 54' E, 65 ft and S 48° 54' W 1249.8 ft. ✓

AREA

	Acres
Total area Ruby Lode - - - - -	20.634 ✓
Total area Emerald Lode - - - - -	17.935 ✓
Total area Hannah lode - - - - -	18.190 ✓
Total area Ruath Lode - - - - -	20.661 ✓
Total area Daura Lode - - - - -	20.633 ✓
Area in conflict with	
Fox lode of this survey - - - - -	0.734 ✓
Total area Lion Lode - - - - -	19.961 ✓
Total area Fox Lode - - - - -	20.115 ✓
Total area Jack Rabbit Lode - - - - -	19.958 ✓
Total Area Ceneca Lode - - - - -	19.974 ✓
Total area Butte Lode - - - - -	18.190 ✓
Total area Chicago Boy lode - - - - -	17.995 ✓

MINERAL SURVEY NO. 3710

AREA Cont'd

The survey of this claim is identical with the original locations, all corners of which were found in place except where shown in the foregoing field notes.

LOCATION

This Survey is located in the S $\frac{1}{2}$ of Section 24 in and Sec. 25, T. 10 N., R. 19 W.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of each of the locations embraced in said mining claim by the Claimant or its grantors, is not less than Five Hundred Dollars and that said improvements consist of;

RUBY Lode

No. 1. The discovery shaft of the Ruby lode, the center of which being the discovery point, is on the center line 700 ft from the center of line 1-2, 4X6 ft. 10 ft deep.

Value \$100.00

No. 2. A shaft the center of which brs from Cor. No. 2 Ruby lode, N. 76° 30' E. 740 ft., 4X6 ft, 10 ft deep.

Value \$100.00

No. 3. A tunnel, the mouth of which brs from Cor. No. 3 Ruby lode, S. 39° W. 410 ft. 4x6 ft running S. 33° 30' E. 300 ft to face.

Value \$3000.00

No. 4. A tunnel, the mouth of which brs. from Cor. No. 2 Ruby lode, S 88° E. 390 ft, 4x6 ft, running S 28° 45' E.; 80-ft. to sta. 1; thence S 47° 30' W. 50 ft to Sta. 2; thence S 68° W., 22 ft to Sta. 3; thence S 52° W. 35 ft to Sta. 4; thence S 34° 30' W. 40 ft to Sta. 5;

MINERAL SURVEY No. 3710

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd
RUBY Lode Cont'd

thence S 12° E 50 ft to face.

Value \$2770.00

No. 5 A shaft timbered 5x8 ft, 200 ft deep which
brs. from Cor. No. 2 Ruby Lode, S 54° 30' E. 275 ft, to-
gether with 560 ft of drift. and 150 ft. of raise

Total value \$9680.00

An undivided 1/11th interest is assigned to this
claim.

At the 150 ft level is a drift 4½ x 6 ft, running
S 47° 15' E. 55 ft to Sta. 1;

Thence S 23° W. 20 ft to Sta. 2

Thence S 17° 30' E 40 ft to Sta. 3.

Thence S 7° 30' W. 25 ft to Sta. 4.

Thence S 41° W. 40 ft to face.

From Sta. 3 is a drift 4½ x 6 ft running S 86° 45' E 80
ft to Sta 5.

Thence S 9° W 20 ft to face.

At sta. 1 is an upraise 4 x 6 ft 150 ft high connecting
with Sta. 4 in improvement No. 4.

At 200 ft level is a drift 4½ x 6 ft running S 31° E 30
ft to Sta 1.

Thence S 14° 30' E. 100 ft to Sta 2.

Thence S 57° W 150 ft to face.

This shaft is a practicable and feasible main
working shaft for the group, as by drifting and cross-
cutting therefrom in different directions towards and
under the several claims of this group, the entire
group may be advantageously developed and ore extracted
therefrom, as all the discoveries are from 200 to 600
feet above the present bottom of this shaft.

This improvement is therefore a common improve-
ment for the benefit of each claim of this group, and

MINERAL SURVEY NO. 3710

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

RUBY Lode Cont'd.

an undivided 1/11th interest of the total value of this improvement (\$880.00) is properly accredited to each lode claim of the group.

EMERALD Lode .

No.1 The discovery shaft of the Emerald lode, the center of which being the discovery point is on the center line 450 ft from the center of line 1-2, 4x6 ft 8 ft deep.

Value 80.00

An undivided 1/11th interest in Improvement No.5 Ruby lode heretofore described, credited to this lode.

Value \$880.00

HANNAH Lode.

No.1. The discovery shaft ~~the~~ the Hannah lode, the center of which being the discovery point is on the lode line, 260 ft from a point on line 1-2, 374 ft. from Cor. No.1, 4x6 ft, 8 ft deep.

Value \$80.00

An undivided 1/11th interest in improvement No.5 Ruby lode, heretofore described, credited to this lode.

Value \$880.00

RUATH LODE

No.1 The discovery shaft ~~the~~ the Ruath lode, the center of which being the discovery point, is on the center line 165 ft from the center of line 3-4, 4x6 ft., 8 ft deep.

Value \$80.00

No.2. A tunnel, the mouth of which brs from Cor. No.4, Ruath lode, S 80° 45' E. 375 ft, 4x6 ft running

MINERAL SURVEY No. 3710

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

RUATH Lode Cont'd

S 30° 50' E. 90 ft.

Value \$900.00

No. 3. A shaft timbered, the center of which
brs from Cor. No. 1 Ruath lode, N 33° 45' E. 250 ft, 6x9
ft 275 ft deep.

Value \$5500.00

An undivided 1/11th interest in improvement No. 5
Ruby lode, heretofore described, credited to this lode.

Value \$880.00

DAURA Lode.

No. 1 The discovery shaft, the center of which being the discovery point is on the
center line 210 ft from the center of line 3-4, 4x6 ft
8 ft deep.

Value \$80.00

No. 2 A tunnel, the mouth of which brs from Cor.
No. 3 Daura lode, N 70° 30' E. 260 ft. 4x6 ft running
S 48° E. 50 ft, thence S 6° W. 100 ft.

Value \$1500.00

No. 3 A tunnel, the mouth of which brs from Cor.
No. 3 Daura lode, S 84° E. 740 ft, 4x6 ft running S 87° 30' E
25 ft, thence S 8° W. 100 ft, thence N 70° W 75 ft to
daylight.

Value \$2000.00

No. 4. A tunnel, the mouth of which brs from Cor.
No. 3 Daura lode, S. 78° 45' E. 670 ft., running East 120
ft, thence S 5° W. 100 ft.

Value \$2000.00

An undivided 1/11th interest in improvement No. 5
Ruby lode heretofore described, credited to this lode.

Value \$880.00

MINERAL SURVEY NO. 3710

EXPENDITURE OF FIVE HUNDRED DOLLARS CONT'd

LION Lode.

No.1. The discovery tunnel of the Lion lode the mouth of which being the discovery point, is on the lode line 230 feet from a point on line 1-2, 299.4 ft from Cor.No.1, 4x6 ft, running N.69° E 175.ft.

Value \$1750.00

No.2. A shaft the center of which brs from Cor. No.4 Lion lode, S 71° W. 450 ft, 4x6 ft. 10 ft deep.

Value \$100.00

No.3. A shaft the center of which brs from Cor. No.4 Lion lode, S 64° W. 540 ft., 4x6 ft, 25 ft deep.

Value \$250.00

No.4. A shaft, the center of which brs from Cor. No.4 Lion lode, S 60° 30' W. 470 ft, 4x6 ft. 10 ft deep.

Value \$100.00

An undivided 1/11th interest in improvement No.5 Ruby lode heretofore described, credited to this lode.

Value \$880.00

FOX LODE.

No.1 The discovery shaft of the Fox lode, the center of which being the discovery point is on the lode line, 45 ft from a point on line 1-2, 308 ft from Cor. No.1, 4x6 ft. 10 ft deep.

Value \$100.00

An undivided 1/11th interest in improvement No.5 Ruby lode heretofore described, credited to this lode.

Value \$880.00

JACK RABIT Lode.

No.1. The discovery shaft of the Jack Rabbit lode the center of which being the discovery point, is on the lode line 550 ft from a point on line 3-4, 299.4 feet from Cor.No.3, 4x6 ft, 10 ft deep.

Value \$500.00. (22.

MINERAL SURVEY NO. 3710

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

JACK RABBIT LODE Cont'd

An undivided 1/11th interest in improvement
No.5 Ruby lode heretofore described, credited to this lode.

Value \$880.00

GENECA Lode.

No.1 The discovery tunnel of the Geneca lode,
the mouth of which being the discovery point is on
the lode line 480 ft from a point on line 3-4, 300.4
ft from Cor.No.4, 4x6 ft running N.58° E., 175 ft.

Value \$1750.00

No.2 A cut, the mouth of which brs. from
Cor.No.2 Geneca lode, S 73° W 400 ft, 5 ft wide 10 ft
face, running N. 80° W. 25 ft.

Value \$100.00

No.3 A shaft the center of which brs from Cor.
No.2 Geneca lode, S 64° 30' W. 510 ft., 4x6 ft 30 ft
deep.

Value \$300.00

No.4. A cut the mouth of which brs from Cor.No.2
Geneca lode, S 40° 45' W. 440 ft, 4½ ft wide, 10 ft face,
running West 25 ft to face; from face is a tunnel 4x6
ft running West 250 ft.

Value cut and Tunnel \$2750.

An undivided 1/11th interest in improvement No.5
Ruby lode heretofore described, credited to this lode.

Value \$880.00

BUTTE Lode.

No.1 The discovery cut of the Butte lode, the
mouth of which being the discovery point, is on the
lode line 575 ft from a point on line 3-4, 375.43 ft
from Cor. No. 3; 4½ ft wide, 8 ft face, running S 18° W.
16 ft to face.

Value \$100.00

MINERAL SURVEY No. 3710

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

BUTTE Lode Cont'd

An undivided 1/11th interest in improvement No. 5 Ruby lode heretofore described, credited to this lode.

Value \$880.00.

CHICAGO BOY Lode

No. 1 The discovery cut of the Chicago Boy lode the mouth of which being the discovery point, is on the center line 65 ft from the center of line 3-4, 4½ ft. wide 8 ft face, running N 40° W. 16 ft to face.

Value \$100.00

No. 2. A shaft, the center of which brs from Cor. No. 2, Chicago Boy lode, N 60° E., 640 ft. 4x6 ft, 10 ft deep.

Value \$100.00

No. 3. A cut the mouth of which is on the center line 90 ft from the center of line 3-4, 4 ft wide 8 ft face, running N. 40° W 16 ft.

Value \$100.00

An undivided 1/11 th interest in improvement No. 5 Ruby lode heretofore described credited to this lode.

Value \$880.00

INSTRUMENT

This Survey was made with a Gurley Mountain transit; the courses were deflected from the true Meridian as determined by direct solar observations; the distances were measured with a 500 ft steel tape.

REPORT.

The lode line of each location of this claim was run directly upon the ground, and the corners were established by running around the claims.

All tie lines were run directly upon the ground.

The Cor. Secs, 23, 24, 25 and 26, and 19, 24, 25 and 30, are both iron posts, 2 ins. diam. with brass caps on top, stamped T.10N R 19 W.S 23, S24, S25, S26 and S19, S30, S24, S25, respectively.

MINERAL SURVEY NO. 3710

REPORT Cont'd

The 1/4 Corners between Secs 24 and 25, 25 and 30, 25 and 26, T.10 N.R. 19 W. are iron posts 1 in. diam. with brass caps on top, stamped 1/4 Sec 24-25; 25-30; and 25-26 respectively. In my retracement of the N² of the line bet. Secs. 25 & 26 I make same N. 0° 08' E 2640 ft., and the N² of the line bet. Secs. 25 & 30, N. 0° 2' E. 2630.3 ft.

ADJOINING CLAIMS

This survey is adjoined

On the north by Gayosa, ^{lode,} unsurveyed, claimant herein.

On the south by Quartz King, No. 31 and Quartz King No. 30, ^{lode} unsurveyed, Claimant herein.

On the West by Manitoba No. 1 and Manitoba No. 2 ^{lodes,} unsurveyed. Claimant herein.

MINERAL SURVEY No. 3710

not in transcript

DIRECT SOLAR OBSERVATION

Taken Friday October 8 1920

At 8.29 A.M. Solar Time.

Sun Bisected.

Lat 34° 11'

Long. 114° 10'

Difference in time 4 h. 15 m.

Apparent Dec'l 5° 52' 5.9"✓

4 3.4✓

Dec'l = 5° 56' 9.3"✓

P = 90 + Dec'l = 95° 56' 9.3"✓

$$\sin \frac{1}{2}A = \sqrt{\frac{\sin (S-L)(S-H)}{\cos L \cos H}}$$

L = 34° 11'

h = 29° 20' - Ver. Ang diminished by refraction.

p = 95° 56'

2) 159° 27'

S = 79° 43' 30"✓

S - L = 45° 32' 30"✓

S - h = 50° 23' 30"✓

9.8535522✓

9.8867278✓

0.0823664✓

0.0595909✓

2) 19.8822373

9.9411186

= 60° 50' = 1/2 A

121 40' = A

S 58° 20' E = Course of Sun

34 07 = Ang to left from sun

92° 27'

180.00

N 87° 33' E ✓ Course of line

Set up at Cor. No. 1 Fox lode. FS Cor. No. 4.

Turned Ang. 34° 07' rt. to Sun.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens

United States 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

Illinois Arizona Copper Company

known as the RUBY, EMERALD, HANNAH, RUATH, DAURA, LION, FOX, JACK RABBIT, GENECA, BUTTE, and CHICAGO BOY Lodes

and showing the respective capacities in which they acted.

W.H. Manning, Chainman.

Chainman.

Asman.

Flagman.

FINAL OATHS OF ASSISTANTS.

~~XXXX~~ I, W.H. Manning

~~amxxx~~ do solemnly swear that we assisted

T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Illinois Arizona Copper Company

known as the RUBY, EMERALD, HANNAH, RUATH, DAURA, LION, FOX, JACK RABBIT, GENECA, BUTTE, and CHICAGO BOY 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 United States Surveyor-General for Arizona

W H Manning, Chainman.

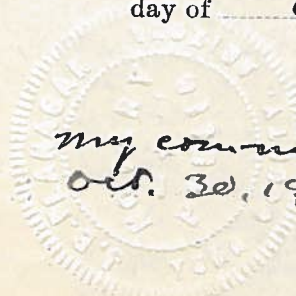
Chainman.

Asman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 13th

day of October, 1920.



my commission expires Oct. 30, 1920.

J B Deane
Notary Public

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated September 27, 1920, 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 Illinois Arizona Copper Company, known as the RUBY, EMERALD, HANNAH, RUATH, DAURA, LION, FOX, JACK RABBIT, CENECA, BUTTE, and CHICAGO BOY Lodes, situate in Seneca Mining District, Yuma County, Arizona, in Section 24 and 25, Township No. 10 N., Range No. 19 W., and designated as Survey No. 3710, 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 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.

T.N. Stevens
 U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. STEVENS
 U. S. Mineral Surveyor, before me ISABEL M. LAUDER, a Notary Public
Pima County, Arizona, this 22nd
 day of November, 1920.

My Commission Expires June 4 1924
Isabel M. Lauder
 Notary Public Pima County
 Arizona.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

March 9, 1921

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 ILLINOIS ARIZONA COPPER COMPANY, known as the RUBY, EMERALD, HANNAH, RUATH, DAURA, LION, FOX, JACK RABBIT, CENECA, BUTTE, and CHICAGO BOY lodes, situate in SENECA Mining District, YUMA County, ARIZONA in Sections 24 & 25, Township No. 10 N., Range No. 19 W., and designated as Survey No. 3710, 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 said mining claims by claimant or its grantors, and that said improvements consist of 15 shafts, 5 cuts, 9 tunnels, 1 raise and 3 drifts, total value \$35,970.

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 P. Trott.

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,

March 9, 1921

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 ILLINOIS ARIZONA COPPER COMPANY, known as the
RUBY, EMERALD, HANNAH, PLATH, DAIRA, LION, FOX, JACK BABIT, SENECA,
BUTTE, and CHICAGO BOY Lodes,

situate in SENECA mining district,

YUMA County, ARIZONA,

in Sections 24 and 25, Township No. 10 N., Range No. 19 W.,

G. & S. R. B. & M., designated as Survey No. 3710

executed by T. N. STEVENS, U. S. Mineral

Surveyor, October 3-13, 1920, under my instructions dated

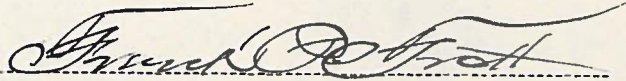
September 27, 1920, have been critically examined and the necessary cor-

rections 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.



U. S. Surveyor General for Arizona.

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 3710
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The LION, FOX, JACK RABBIT, CENECA, BUTTE and CHICAGO BOY lodes, Mineral Survey No. 3710, located in sections 24 and 25, Township 10 North, Range 19 West, Gila and Salt River Meridian, Arizona, are hereby canceled.

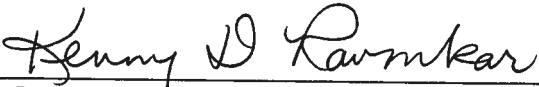
These claims have not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"LION, FOX, JACK RABBIT, CENECA, BUTTE and CHICAGO BOY lodes, M.S. 3710, were canceled June 4, 2002, by memo 9605 (956) M.S. 3710, which is now a part of the original field notes."

June 4, 2002
Date



Chief Cadastral Surveyor of Arizona