

Platted. E. H. H.

3018-1909

4-683.

MINERAL SURVEY No. 2730

LOT No. _____

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Logan Copper Company

KNOWN AS THE

Logan, Logan Ex. Copper Claim, Lucky, Lincoln, Lonely, Three Ridge,
Devil's Two, Bay Horse, Bay Horse Extension, Same Enough No 16,

Copper Basin

Mining District,

Yavapai

County, Arizona

Section Approx. 13, Township 14 N., Range 4 W., Unkn.,
within Prescott National Forest,

Surveyed under instructions dated Sept. 17th, 1909

by J. J. Feiler

U. S. ~~Deputy~~ Mineral Surveyor.

Claim located see location notices, 19

Survey commenced Sept 21., 1909

Survey completed Sept. 25, 1909

6-822

Address,

E. S. Clark, Attorney,

Prescott

Arizona,

SURVEY NO. 2730

THREE RIDGE LODE

feet

Beginning at Cor. No. 1, which is also Cor. No. 4, Logan Ex. lode of this survey. Identical with Cor. of the location:

A porphyry stone 24x6x6 ins. set 12 ins. in ground, alongside a mon. of stones 3x3 ft. Stone marked T.R. 1-2730, also on opposite side L.Ex. 4-2730; whence a+ on a porphyry rock in place, marked B.R.F.R. 1-2730 brs. S. 67 deg. 40' W. 26.3 ft. U.S.L.M. No. 2730 brs. S. 85 deg. E. 1418.3 ft.

Thence S. 5 deg. 50' W.

1500 To Cor. No. 2, which is also Cor. No. 5, Logan Ex. Cor. No. 4, Logan and Cor. No. 1, Lonely lodes of this survey. Identical with corner of the several locations: A porphyry stone 24x15x8 ins. set 12 ins. in ground, alongside a mon. of stones 3x3 ft. Stone marked T.R. 2-2730, L. Ex. 3-2730, L. 4-2730 and L. 1-2730 on the four sides facing the respective lodes; whence a+ on a porphyry rock in place, marked B.R.L. 1-2730 brs. N. 73 deg. 40' W. 14.6 ft. a+ on a porphyry rock in place, marked B.R.L. 4-2730 brs. S. 34 deg. 50' W. 88.5 ft.

Thence N. 84 deg. 10' W.

300 To South center end, which is also the North Center end of Lonely lode of this survey. Identical with location, a mon. of stones 3x3 ft.

600 To Cor. No. 3, which is also Cor. No. 4, Lonely lode of this survey. Identical with common corner of location.

A granite stone 24x10x6 ins. set 12 ins. in ground, alongside a mon. of stones 3x3 ft.

SURVEY NO. 2750

feet

Stone marked T.R. 3-2750 and on opposite side
L.4-2750. No bearings available.

Thence N. 5 deg. 50' E.

1500 To Cor. No. 4, Identical with Cor. of location;
A granite stone 24x10x8 ins. set 12' ins. in ground,
alongside a mon. of stones 7x3 ft. Stone marked
T.R. 4-2750. No bearings available.

Thence S. 84 deg. 10' E.

300 To North Center end. Identical with location; a mon.
of stones 3x3 ft.

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

LOGAN LODE.

Beginning at Cor. No. 1, Identical with the
corner of location;

A slate stone 24x15x6 ins. set 12. ins. in ground,
alongside a mon. of stones 3x3 ft. Stone marked
L. Ex. 1-2750; whence a+ on a granite rock in place,
marked S.R.L.Ex. 1-2750, brs. N. 43 deg. 13' E. 75.5
ft.

M.S.L.M. No. 2750 brs. S. 80 deg. 24' 54" E. 819.6 ft.

Thence S. 5 deg. 50' W.

1954 To Cor. No. 4, Seventh, Two side of this Survey,

1500 To Cor. No. 2, which is also Cor. No. 1, Logan lode
of this survey. Identical with common corner of the
location. A granite stone 24x8x8 ins. set

feet

12 ins. in ground, alongside a mon. of stones 5x3 ft. marked L. Ex. 2-2730 and on opposite side L. 1-2730; whence a+ on a granite rock in place, Marked B.R.L. 1-2730 brs. N. 82 deg. 52' W. 186.5 ft.
No other bearings available.

Thence N. 84 deg. 10' W.

300 To South Center end, which is also the North Center end, Logan lode of this survey. Identical with location, a mon. of stones 5x3 ft.

600 To Cor. No. 3, which is also Cor. No. 4, Logan; Cor. No. 1, Lonely, and Cor. No. 2, Three Ridge lodes of this survey; corner described above.

Thence N. 5 deg. 50' E.

1500 To Cor. No. 4, which is also Cor. No. 1, Three Ridge lode of this survey, corner described above.

Thence S. 84 deg. 10' E.

300 To North center end, identical with location, a mon. of stones 3x3 ft.

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

LOGAN LODE

Beginning at Cor. No. 1, which is also Cor. No. 2 Logan Ex. lode of this survey, corner described above; whence U.S.L.M. No. 2730 brs. N. 33 deg. 19' 18" E. 1661.4 ft.

MINUTE NO. 2730

feet

- Thence S. 5 deg. 50' W.
- 1448 To Cor. No. 3, Seventy Two lode of this survey,
- 1500 To Cor. No. 2, which is also Cor. No. 1, Lincoln lode of this survey, identical with the common cor. of the location.
- A porphyry stone 24x10x4 ins. set 12 ins. in ground, alongside a mon. of stones 3x2 ft. Stone marked L. 3-2730, and on opposite side L. 1-2730; whence a + on a porphyry rock in place, marked B.R.L. 3-2730 brs. N. 4 deg. 30' E. 17.5 ft. A+ on a porphyry rock in place, marked B.R.L. 1-2730 brs. S. 27 deg. 40' W. 16.1 ft.
- Thence N. 84 deg. 10' W.
- 300 To South Center end, which is also the North Center end Lincoln lode of this survey, a mon. of stones 5x5 ft. *Identical with common mon. of the location*
- 600 To Cor. No. 3, which is also Cor. No. 4 Lincoln, Cor. No. 1, Turkey, and Cor. No. 2 Lonely lodes of this survey. Identical with the common corner of the location.
- A porphyry stone 24x8x8 ins. set 12 ins. in ground. Stone marked L. 3-2730, L. 4-2730, L. 1-2730, and L. 2-2730, on the sides facing the respective claims; whence a cedar 8 ins. diam. blazed and marked B.T.+ L. 1-2730 brs. S. 80 deg. 25' W. 71.5 ft. No other bearings available.
- Thence N. 5 deg. 50' E.
- 1500 To Corner No. 4, which is also Cor. No. 1 Lonely,

feet

Corner No. 2, Three Ridge, and Cor. No. 3, Logan Ex. lodes of this survey; corner described above.

Thence S. 84 deg. 10' E.

300 To North Center end, which is also the South Center end Logan Ex. lode of this Survey, non. described above. †

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

LINEELY LODGE

Beginning at Cor. No. 1, which is also Cor. No. 2, Three Ridge, Cor. No. 3, Logan Ex. and Cor. No. 4, Logan lodes of this survey; corner described above. Thence U.S.L.M. No. 2730 brs. N. 50 deg. 15' 10" E. 2025.1 ft.

Thence S. 5 deg. 50' W.

1500 To Cor. No. 2, which is also Cor. No. 3 Logan, Cor. No. 4 Lincoln, and Cor. No. 1 Turkey lodes of this survey; corner described above.

Thence N. 84 deg. 10' W.

300 To South Center end, which is also the North Center end Turkey lode of this survey. Identical with the common mon. of the location, a mon. of stones 3x3 ft.

600 To cor. No. 3, which is also Cor. No. 4, Turkey lode of this survey, identical with the common cor. of the location.

DITCH NO. 2750

feet

porphyry stone 24x16x3 ins. set 12 ins. in ground,
alongside a mon. of stones 3x3 ft. stone marked
L.3-2750 and on opposite side L.4-2750.
No bearings available.

Thence N. 5 deg. 50' E.

1500 To Cor. No. 4, which is also Cor. No. 3, Three Ridge
Lode of this survey; corner described above.

Thence S. 84 deg. 10' E.

300 To North Center end, which is also the South Center
end Three Ridge lode of this survey; mon. described
above.

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

LINCOLN LODE

Beginning at Cor. No. 1, which is also Cor. No. 2,
Lincoln lode of this survey; corner described above.
U.S.L.M. No. 2750, ^{brs.} N. 21 deg. 20' 18" E. 5057.7 ft.

Thence S. 14 deg. 52' W.

1400 To Cor. No. 2, identical with corner of the location.
A slate stone 24x12x3 ins. set 12 ins. in ground,
alongside a mon. of stones 3x3 ft. Stone marked
L.2-2750. No bearings available.

Thence N. 84 deg. 10' W.

700 To South Center end, identical with location, a mon.
of stones 3x3 ft.

SURVEY NO. 2730

Feet

600 To Cor. No. 3, which is also Cor. No. 1, Copper Chief, and Cor. No. 2, Luckey lodes of this survey. Identical with the common Cor. of location. A slate stone 24x12x6 ins. set 15 ins. in ground, alongside a mon. of stones 3x3 ft. Stone marked L.3-2730, C.C.1-2730 and L.2-2730 on the sides facing the respective lodes; whence a+ on a granite rock in place, marked B.R. L.3-2730 brs. N. 81 deg. 45' E. 54.5 ft. No other bearings available.

Thence N. 14 deg. 52' E.

1480 To cor No. 4, which is also Cor. No. 1, Luckey, Cor. No. 2 Tonely, and Cor. No. 5 Logan lodes of this survey; corner described above.

Thence S. 84 deg. 10' W.

300 To North Center end, which is also the South Center and Logan lode of this survey; mon. described above.

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

LUCKEY LODE

Beginning at Cor. No. 1, which is also Cor. No. 2 Tonely, Cor. No. 3 Logan, and Cor. No. 4 Lincoln lodes of this survey; corner described above.

U.S.L.M.No. 2730, brs. N. 31 deg. 31' 25" E. 3269.6 ft.

Thence S. 14 deg. 52' W.

1480 To Cor. No. 2, which is also Cor. No. 5, Lincoln and Cor. No. 1 Copper Chief lodes of this survey; corner described above.

SURVEY NO. 2730

feet

Thence N. 84 deg. 10' W.

300 To South Center end, which is also the North Center end Copper Chief lode of this survey, identical with common mon. of the location, a mon. of stones 3x3 ft.

600 To Cor. No. 2, which is also Cor. No. 4, Copper Chief lode of this survey, identical with the common corner of the location, cut a + on a granite rock in place, marked L.S.-2730, and C.C.4-2730, alongside a mon. of stones 3x3 ft.

Thence N. 14 deg. 52' W.

1480 To Cor. No. 4, which is also Cor. No. 3, Lonely lode of this survey; corner described above.

Thence S. 84 deg. 10' W.

300 To North Center end, which is also the South Center end Lonely lode of this survey; monument described above.

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

COPPER CHIEF LODGE

+

Beginning at Cor. No. 1, which is also Cor. No. 2 Tuckey and Cor. No. 3 Lincoln lodes of this survey; corner described above.

V.S.L.M. No. 2730 brs. N. 20 deg. 32' 53" W.
4714.7 ft.

Thence S. 5 deg. 50' W.

1500 To Cor. No. 2, identical with Cor. of the location.

SURVEY NO. 2730

Feet

A granite stone 24x10x6 ins. Set 12 ins. in ground, alongside a mon. of stones 3x3 ft. Stone marked C.C. 2-2730; whence a + on a pine 12 ins. diam. blazed and marked B.T.C.C. 2-2730 brs. N. 29 deg. 30' E. 50.5 ft.

Thence N. 84 deg. 10' W.

300 To South Center end. Identical with mon. of location, a mon. of stones 3x3 ft.

600 To cor. No. 3, identical with corner of the location, A granite stone 24x12x6 ins. set 12 ins. in ground, alongside a mon. of stones 3x3 ft. Stone marked C.C. 3-2730. No bearings available.

Thence N. 5 deg. 50' E.

1500 To cor. No. 4, which is also cor. No. 3 Luckey lode of this survey; corner described above.

Thence S. 84 deg. 10' E.

300 To North Center end, which is also the South Center end Luckey lode of this survey; monument described above.

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

BAY HORSE LODE

Beginning at Cor. No. 1, which is also Cor. No. 1, Bay Horse Extention lode of this survey, identical with common cor. of the location; A granite stone 24x6x5 ins. set 12 ins. in ground, alongside a mon. of stones 3x3 ft. Stone marked B.H. 1-2730, and on opposite side

SURVEY NO. 2730

feet

B.M. Ex. 1-2730; whence a+ on a granite rock in place, marked B.R.B.M. 1-2730 brs. N. 55 deg. 50' W. 1305 ft.
 U.S.L.M. No. 2730, brs. N. 54 deg. 51' W. 847 ft.
 No other bearings available.

Thence S. 17 deg. 30' W.

970 To Cor. No. 2, Sure Enough ⁺ 16' lode of this survey;
 1480 To Cor. No. 2, Identical with Cor. of the location;
 A slate stone 24x10x5 ins. set 12 ins. in ground,
 alongside a mon. of stones 5x3 ft. Stone marked
 B.M. 2-2730; whence a+ on a granite rock in place,
 marked B.R.B.M. 2-2730 brs. N. 1 deg. 45' W. 182 ft.
 No other bearings available.

Thence N. 72 deg. 50' W.

500 To South Center end. Identical with mon. of the
 location, a mon. of stones 5x3 ft.
 600 To Cor. No. 3, which is also Cor. No. 2, Seventy Two
 lode of this survey, identical with S.W. Cor. of the
 location of Bay Horse lode;
 A granite stone 24x10x10 ins. set 12 ins. in ground
 alongside a mon. of stones 5x3 ft. Stone marked B.M.
 3-2730, and on opposite side S.T. 2-2730; whence a+
 on a granite rock in place, marked B.R.S.T. 2-2730
 brs. N. 40 deg. W. 55.4 ft. No other brs. available.

Thence N. 17 deg. 50' E.

1480 To Cor. No. 4, which is also Cor. No. 4 Bay Horse Exten-
 tion and Cor. No. 1, Seventy Two lodes of this survey;
 Identical with common Cor. of the locations.
 A porphyry stone 24x8x6 ins. set 12 ins. in ground,

feet

surrounded by mon. of stones. Stone marked
B.H.4-2730, B.H.Ex. 4-2730, and C.T.L-2730, on
the sides facing the respective claims.

No bearings available.

Thence S. 72 deg. 30' E.

- 300 To North Center end, which is also the South Center
end Bay Horse Ex. lode of this survey; identical with
common mon. of location, a mon. of stones 3x3 ft. +
600 To Cor. No. 1, the place of beginning.

BAY HORSE EXTENTION LODGE

Beginning at Cor. No. 1, which is also Cor.
No. 1 Bay Horse lode of this survey; corner described
above; whence U.S.L.M. No. 2730, brs. N. 34 deg. 51'
W. 347 ft.

Thence N. 17 deg. 30' E.

- 530 To Cor. No. 1, Sure Enough No. 16 lode of this survey
1500 To Cor. No. 2, identical with Cor. of the location;
A granite stone 24x10x3 ins. set 12 ins. in ground,
alongside a mon. of stones 3x3 ft. Stone marked
B.H.Ex. 2-2730, whence a+ on a granite rock in place,
marked B.R.B.H. Ex. 2-2730 brs. South 2 ft.

Thence N. 72 deg. 30' W.

- 300 To North Center end, identical with location;
a mon. of stones 3x3 ft.
600 To Cor. No. 2, identical with Cor. of the location;
a slate stone 24x14x4 ins. set 12 ins. in ground,

SUNNY LN. 2730

alongside a mon. of stones 5x3 ft. Stone marked
B.H. Ex. 3-2730. No bearing available.

Thence S. 17 deg. 30' W.

1500 To Cor. No. 4, which is also Cor. No. 4, Bay Horse
and Cor. No. 1, Seventy Two Lodes of this survey;
corner described above.

Thence S. 72 deg. 30' E.

300 To North Center end, which is also the North Center
end Bay Horse lode of this survey; mon. described above.

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

SUNNY BROUGH NO. 16 LODGE

Beginning at Cor. No. 1. Identical with loc.
A granite stone 24x8x6 ins. set 12 ins. in ground,
alongside a mon. of stones 5x3 ft. Stone marked B.E.
No. 16, 1-2730. No br. available.

Thence N. .E.S. No. 2730 br. E. 58 deg. 19' 23" .
120.27ft.

Thence S. 17 deg. 30' W.

530 To Cor. No. 1, Bay Horse Extention and Cor. No. 1, Bay Horse
lodes of this survey.

1500 To Cor. No. 2, Identical with location
A porphyry stone 24x10x6 ins. set 12 ins. in ground,
alongside a mon. of stones 5x3 ft. Stone marked
B.H. No. 16, 2-2730; thence a+ on a porphyry rock in
place, marked B.H.S. No. 16, 2-2730 br. N. 68 deg.
40' W. 291.0ft.

feet.

Thence S. 72 deg. 30' E.

300 To South Center end, Identical with location,
a mon. of stones 3x3 ft.

600 To Cor. No. 3, Identical with location

A granite stone 24x12x5 ins. set 12 ins. in ground,
alongside a mon. of stones 3x3 ft. Stone marked
S.E.No. 16, 3-2750.

No bearings available.

Thence N. 17 deg. 30' W.

1500 To Cor. No. 4, Identical with location.

A granite stone 24x12x4 ins. set 12 ins. in ground,
alongside a mon. of stones 3x3 ft. Stone marked
S.E.No. 16, 4-2750.

No bearings available.

Thence N. 75 deg. 30' W.

300 To North Center end, Identical with location,
a mon. of stones 3x3 ft.

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

SEVERITY TWO LODE

Beginning at Cor. No. 1, which is also Cor. *No. 4*
Bay Horse and Cor.

No. 4, Bay Horse Extension lodes of this survey; corner

described above; whence U.S.D.M. No. 2750 brs. N.

74 deg. 24' 34" E. 388.2 ft.

Thence S. 17 deg. 30' W.

1480 To Cor. No. 2, which is also Cor. No. 3, Bay Horse
Lode, corner described above, this being also the

TRIPY NO. 2750

feet	
	<p>South Center end of location: whence original S.E. Cor. of the location brs. S. 84 deg. 10' E. 300 ft. a mon. of stones 5x5 ft.</p> <p style="text-align: center;">2</p> <p><i>1938</i> Thence N. 84 deg. 10' W.</p>
0.72	To S South Center end, and vein,
156.7	To Corner No. 3, whence original S.W. Cor. of loc. brs. N. 84 deg. 10' W. 143 ft. a mon. of stones 5x5 ft. A granite stone 24x10x6 ins. set 12 ins. in ground, alongside a mon. of stones 5x5 ft. Stone marked C.T. 3-2750. No bearings available.
	Thence N. 8 deg. 50' E..
144.8	To Cor. No. 1, Logan and Cor. No. 2, Logan Ex. lodes of this survey.
1449.4	To Cor. No. 4 on line 1-2 Logan Ex. lode of this survey. Original N.W. Cor. of the location brs. N. 84 deg. 10' W. 144 ft. a mon. of stones 5x5 ft. A slate stone 24x10x5 ins. set 12 ins. in ground, alongside a mon. of stones 5x5 ft. Stone marked C.T. 4-2750. No bearings available.
	Thence S. 84 deg. 10' E.
155.98	To North Center end, a mon. of stones 5x5 ft., identical with location.
155.98	To Cor. No. 1, the place of beginning.
	Variations at all the corners 14 deg. 10' E.
	3

SURVEY NO. 2730

A R E A

Three Ridge Lode	20.661 Acres
Logan Ex. "	20.661 "
Logan "	20.661 "
Lonely "	20.661 "
Copper Chief "	20.661 "
Luckey "	20.133 "
Lincoln "	20.133 "
Bay Horse Extention lode,	20.661 "
Sure Enough No. 16 Lode	20.661 "
Bay Horse Lode	20.585 "
Seventy Two Lode	10.193 "
Total Area Sur.No.2730	215.471 Acres

L O C A T I O N

This claim is located on unsurveyed land, approximately in section 13, T. 14 N., R. 4 W., G. & S. R. E. & M., in Copper Basin Mining District, Yavapai County, Arizona, and within the boundaries of the Prescott National Forest. There are no adjoining claims.

V E I N S

Three Ridge Vein extends N. 5 deg. 50' E. 1400 ft. and S 5 deg. 50' W. 100' from discovery shaft.
 Logan Ex. Vein extends N. 5 deg. 50' E. 1450 ft. and S 5 deg. 50' W. 50 ft. from dis. cut.
 Logan Vein extends N. 5 deg. 50' E. 675 ft. and S 5 deg. 50' W. 825 ft. from dis. shaft.

SURVEY NO. 2730

Lonely vein extends N. 5 deg. 50' E. 100 ft. and
 S 5 deg. 50' W. 1400 ft. from dis. shaft.

Lucky vein extends N. 14 deg. 52' W. 840 ft. and
 S. 14 deg. 52' W. 640 ft. from dis. shaft.

Lincoln vein extends N. 14 deg. 52' E. 100 ft. and
 S. 14 deg. 52' W. 1380 ft. from dis. cut.

Copper Chief Vein extends N. 5 deg. 50' E. 610 ft.
 and S. 5 deg. 50' W. 890 ft. from dis. cut.

Seventy Two vein extends N. 5 deg. 50' E. 699.4 ft.
 and S. 5 deg. 50' W. 750 ft. from dis. cut.

Bay Horse vein extends N. 17 deg. 30' E. 776 ft. and
 S 17 deg. 30' W. 704 ft. from dis. cut.

Bay Horse Ext. vein extends N. 17 deg. 30' E. 450 ft.
 and S. 17 deg. 30' W. 1050 ft. from dis. shaft.

Lure Enough No. 16 Vein extends N. 17 deg. 30' E.
 600 ft. and S. 17 deg. 30' W. 900 ft. from dis. cut.

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 claims by
 the claimant, or its grantors, is not less than five
 hundred dollars, and that said improvements consist of:
 LOGAN LODE:

No. 1.

The discovery shaft of the Logan lode, being on
 the lode line N. 5 deg. 50' E. 825 ft. from the South
 center end. Shaft 4 x 6 ft. 10 ft. deep.

VALUE \$100.00

No. 2.

Shaft which hrs. from Cor. No. 4, Logan

SURVEY NO. 2730

S. 19 deg. 30' W. 836 ft. Shaft 4 x 6 ft. 10 ft. deep.

VALUE \$100.00

No. 3.

Shaft which brs. from Cor. No. 4.

S. 16 deg. E. 620 ft. Shaft 4 x 6 ft. 30 ft. deep.

VALUE \$300.00

No. 4.

Main Working Shaft for the benefit of entire group of locations. This shaft is being sunk perpendicular and when sufficient depth has been attained levels and cross cuts are proposed to be run so as to develop all the locations in this claim. This shaft is well located for this purpose, as the veins dip to the west and the shaft will cut all veins east of it in depth, and the veins west will be reached by cross-cuts. Shaft 4 x 8 ft. double compartment, timbered 157 feet deep, which brs. from cor. No. 4 S. 16 deg. 30' W. 575 ft.

VALUE \$5500.00

One eleventh of this amount is to be credited to each of the remaining ten locations.

No. 5.

Tunnel which brs. from Cor. No. 4. S. 7 deg. 30' E. 697 ft. Tunnel 4 x 6 ft. 75 ft. long. Cut on to tunnel 3 x 20 ft. 15 ft. face.
Course of tunnel S. 65 deg. 30' E.

VALUE \$900.00

No

LOGAN EX LODGE

No. 1.

The discovery cut of the Logan Ex. Lodge, which brs. from the South Center end N. 5 deg. 30' E. 30 ft. Cut 4 x 12 ft. 10 ft. face.

VALUE \$100.00

SUMMARY NO. 5750

Value of the common improvement from No. 4 Shaft Logan lode, to be credited to Logan Ex. lode. \$500.00

THREE RIDGE LODGE:

No. 1.

The discovery shaft of the Three Ridge lode, which bears from South center end N. 5 deg. 50' W. 100ft. Shaft 4 x 6 x 10 ft.

VALUE \$100.00

Value of the common improvement from No. 4 Shaft Logan lode to be credited to the Three Ridge lode \$300.00

LONELY LODGE:

No. 1.

The discovery shaft of the Lonely lode, which bears from the North center end S. 5 deg. 50' W. 100ft. Shaft 4 x 6ft. 10 ft. deep.

VALUE \$100.00

Value of the common improvement from No. 4 Shaft Logan lode, to be credited to the Lonely lode \$500.00

LUCKEY LODGE:

No. 1.

The discovery shaft of the Luckey lode, which bears N. 14 deg. 52' E. 640 ft. from the South Center end. Shaft 4 x 6 ft. 10 ft deep.

VALUE \$100.00

No. 2.

A cut which bears from South Center end N. 14 deg. 52' E. 710 ft. cut. 4x10 ft. 6 ft. deep.

VALUE \$ 50.00

SURVEY NO. 2730

No. 3.

A tunnel and cut which bears from Cor.
No. 4, S. 8 deg. 30' W. 690 ft. Approach 4 x 40 ft.
10 ft. face. Tunnel 4 x 6 ft. course
S. 13 deg. 15' W. 36 ft.

VALUE	\$600.00
-------	----------

No. 4.

A cut which brs. from Cor. No. 4, S. 3 deg. W.
640 ft. Cut. 4 x 10 ft. 10 ft. face.

VALUE	\$100.00
-------	----------

Value of the common improvement from No. 4
Shaft, Logan lode, to be credited to the
Lucky lode.

\$500.00

LINCOLN LODGE:

No. 1.

The discovery cut of the Lincoln lode, which,
bears from the North center end S. 14 deg. 52'
W. 100 ft. Cut 4 x 15 ft. 10 ft. face.

VALUE	\$100.00
-------	----------

Value of the common improvement from
No. 4 Shaft Logan lode, to be credited to the
Lincoln lode.

\$500.00

COPPER CHIEF LODGE:

No. 1.

The discovery cut of the Copper Chief lode,
which brs. from the North center end S. 5 deg. 50'
W. 610 ft. Cut 4 x 15 ft. 10 ft. face.

VALUE	\$100.00
-------	----------

Value of the common improvements from the
No. 4 shaft, Logan lode, to be credited to the
Copper Chief lode.

\$500.00

SEVENTY TWO LODE

SEVENTY TWO LODE:

No. 1.

The discovery cut of the Seventy Two lode, which
brs. from South center end N. 5 deg. 50' E. 750 ft.
Cut 4 x 15 ft. 10 ft. face.

VALUE	\$100.00
-------	----------

Value of the common improvement from No. 4
shaft Logan lode to be credited to the Seventy
Two lode.

\$500.00

BAY HORSE LODE:

No. 1

The discovery cut of the Bay Horse lode, which
brs. from the North center end S. 17 deg. 50' W.
776 ft. Cut 4 x 15 ft. 10 ft. face.

VALUE	\$100.00
-------	----------

No. 2.

A shaft which brs. from Cor. No. 3,
N. 27 deg. E. 1030 ft. Shaft 4 x 6 ft. 10 ft.
deep.

VALUE	\$100.00
-------	----------

Value of the common improvement from No. 4
shaft Logan lode to be credited to the Bay Horse
lode.

\$500.00

BAY HORSE EXTENTION LODE:

No. 1.

The discovery shaft and cut of the Bay Horse Exten-
tion lode, which bears from the North center end
S. 17 deg. 50' W. 450 ft. Cut 4 x 6 ft. 7 ft. face.
Shaft 4 x 6 ft. 10 feet deep.

VALUE	\$150.00
-------	----------

SURVEY NO. 1730

Value of the common improvement from No. 4
Shaft Logan lode, to be credited to the Bay Horse
Ext. lode. \$500.00

SURE ENOUGH NO. 16 LODE:

No. 1.

The discovery cut of the Sure Enough No. 16 lode,
which hrs. from North center end S. 17 deg. 20' W. 600
feet, cut 4 x 12 ft. 10 ft. face.

VALUE \$100.00

Value of the common improvement from No. 4
shaft Logan lode, to be credited to the Sure Enough
No. 16 lode. \$500.00

OTHER IMPROVEMENTS.

Logan Lode:

Barn, which hrs. from Cor. No. 4,
S. 29 deg. E. 585 ft.

Office, which hrs. from Cor. No. 4
S. 41 deg. 15' E. 257 ft.

House which hrs. from Cor. No. 4,
S. 48 deg. 45' E. 298 ft.

House, which hrs. from Cor. No. 4,
S. 71 deg. E. 153 ft.

Water Tank, which hrs. from Cor. No. 4,
S. 61 deg. 15' E. 509 ft.

Steam Hoist and building, which hrs. from
Cor. No. 4, S. 21 deg. 30' E. 586 ft.

A pipe line from water tank to

Spring on Sure Enough No. 16 lode, which
hrs. from cor. No. 3, Sure Enough No. 16, N. 27 deg. E.
1020 ft.

SURVEY NO. 2730.

NOTE:

The disagreement between these notes and the amended location certificates of the Lincoln and Luckey lodes is owing to errors in course and distance in the latter.

INSTRUMENT

This survey was made with a W. & L. E. Gurley solar transit. The courses were deflected from the true meridian as determined by solar observations. The distances were measured with 50 foot and 300 foot steel tapes.

Prescott, Arizona,

October 6, 1909.

J. J. Fisher

J. J. Mineral Surveyor.

LOCATION OF U. S. L. M. NO. 2730, C. B. M. D.

Survey No. 2730 is located on unsurveyed public land, and should be within the two mile limits of a corner of the public surveys, being approximately in Secs. 13 T. 14 N., R. 4 W., but I was unable to find any corner of the public survey nearer than the $\frac{1}{2}$ sec. Cor. bet. secs. 28 and 33, T. 14 N. R. 4 W.

I ran from the said $\frac{1}{2}$ sec. cor. East 2640 ft. Thence North 10560 ft. Thence East 14578 ft. Thence North 1810 ft, where I established a U. S. L. M. on a high point, visible in all directions for long distances. Cut a X on a solid ledge of porphyry rock in place, marked U. S. L. M. No. 2730, C. B. M. D. Thence $\frac{1}{2}$ sec. cor. bet. secs. 28 and 33, T. 14 N. R. 4 W. G. & S. E. B. & M. brs. S. 54 deg. 18' W. 31197 feet distant.

Sugar Leaf Mt. brs. N. 50 deg. E. about $\frac{3}{4}$ mile. Rams Gate on the S. F. P. & I. R. R. brs. N. 3 deg. E. about $1\frac{1}{2}$ miles. Alongside raised a mon. of stones 4 ft. base, 5 ft. high.

J. J. Ferber

U. S. Mineral Surveyor.

Precectt, Arizona,

October 6, 1909.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, J. J. Fisher, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
Sept. 17th 1909, 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 Logan Copper Company, known as the
Logan, Logan Ex. Copper Chief Luskay, Lincoln, Lonely,
Three Ridge, Security Two, Bay Home, Bay Home Extension, Sun Enough No 16.
situate in Copper Basin Mining District,
Yavapai County, Arizona ^{approx.}, in Section 3
13, Township No. 14 N., Range No. 7. W.,
and designated as Survey No. 2730, 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 per-
petuated in strict accordance with the law, official regulations and instructions there-
under; 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.

13

J. J. Fisher
U. S. Mineral Surveyor.

Subscribed and sworn to by the said J. J. Fisher
U. S. Mineral Surveyor, before me J. E. Faulkner
this 7th

day of October, 1909
My commission expires November 29-1910
J. E. Faulkner
Notary Public

Affidavit of Five Hundred Dollars Improvements.

We, Wm Crocker and Thomas Forst

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Logan, Logan Ext. Copper Chief, Lucky, Lovely, Lincoln, Three Ridge, Seventy Two, Bay Area, Bay Area Extension ^{sure enough No 16} mining claim, situate in Copper Basin Mining district, Yavapai County, Arizona Territory, for which Logan Copper Company

has made application for survey 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 grantor exceed Five Hundred Dollars in value ^{for each location} and further that we are not personally interested in said mine.

Wm. Crocker
Thomas Forst

TERRITORY OF ARIZONA, }
County of Yavapai } ss:

Sworn to and subscribed before me, this 25th

day of September, 1907



J. J. Fisher
Notary Public

27569b1m2-07

My Commission Expires,
18th Sept. 1912.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by

J. J. Fisher

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

Logan Copper Company, known as the Logan, Logan Ex., Copper Chief, Luckey Lincoln, Lonely, Three Ridge, Seventy Two, Bay Horse, Bay Horse Extension, Sure Enough No 16
known as the

and showing the respective capacities in which they acted.

Wm. Crocker

Chainman.

Thomas Forst

Chainman.

Arman.

Wm. Crocker

Flagman.

FINAL OATHS OF ASSISTANTS.

We,

Wm. Crocker

and

Thomas Forst

do solemnly swear that we assisted

J. J. Fisher

Fisher

United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of

the Logan Copper Company, known as the Logan, Logan Ex., Copper Chief, Luckey, Lincoln, Lonely, Three Ridge, Seventy Two, Bay Horse, Bay Horse Extension, Sure Enough No 16,
known as the

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 instruc-

tions furnished by the United States Surveyor-General for

Arizona

Wm. Crocker

Chainman.

Thomas Forst

Chainman.

Arman.

Wm. Crocker

Flagman.

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

25th

day of *September*, 19 *09*

My Commission Expires
18th Sept. 1912,

J. J. Fisher
Notary Public

AMENDED
Notice of Mining Location

LODE CLAIM

SEP 17 1907

To All Whom It May Concern:

This Mining Claim, the name of which is the Copper Chief
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
purchased by D.N.Bartholdi and F.D.Barr

citizens of the U.S.
(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 6th day of September 19 07

The length of this claim is 1500 feet,
and we claim 1500 feet,
in a Northerly direction ~~and~~
~~feet in a~~ mon ~~direction~~ from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with 300 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
South to the North

The claim is situated and located in the Copper Basin Mining District, in
Yavapai County, in the Territory of Arizona, about 4 miles
in a N.E. direction from Skull Valley Station on the
S.F.P. & P.R.R. and joins the Luckiy mining claim on the South

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

~~at a point in a~~ ~~direction~~ ~~feet from~~
~~the discovery shaft~~ (at which this notice is posted), being in the center of the South
end line of said claim; thence S 84° 10' E 300 feet to a monument
S.E. corner of said claim; thence
N 5° 50' E 1500 feet to a monument, being at the
N.E. corner of said claim; thence N 84° 10' W 300 feet
to a monument at the center of the North end of said claim;
thence N 84° 10' W 300 feet to a monument, being at the
N.W. corner of said claim; thence S 5° 50' W 1500
feet to a monument at the S.W. corner of said claim;
thence S 84° 10' E 300 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.

This is an Amended Location Notice of the Copper Chief
Mining Claim, located by D.N.Bartholdi and F.D.Barr
on the 13th day of
January 1907, and recorded in Book 78 of Records of Mines, at
page 394, in the office of the County Recorder of the aforesaid County of Yavapai
to which reference is hereby made, and this Amended Location Notice is made and posted to correct
errors in the description in the said original Location Notice.

Dated and posted on the ground this 6th day of September 1907

D.N.Bartholdi
F.D.Barr

Filed and recorded at request of T.W.Otis, Dec. 5, A.D. 1907, at 1:15 o'clock
P.M., Book 83 of Mines, page 543, Records of Yavapai County, Arizona.

AMENDED
Notice of Mining Location

29

LODE CLAIM

SEP 17 1907

To All Whom It May Concern:

This Mining Claim, the name of which is the Luckey
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
purchased by J.H.Ehle A.E.Ehle, Wm P.Ehle and John H Quick
citizens of the U.S.

(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 6th day of September 1907

The length of this claim is 1500 feet,
and We claim 1500 feet,
in a Northerly direction and
~~feet in a~~ mon ~~direction from~~
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with 300 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
South to the North

The claim is situated and located in the Copper Basin Mining District, in
Yavapai County, in the Territory of Arizona, about 4 miles
in a N.E. direction from Skull Valley Station on the
S.F.P. & P.R.R. and joins the Lonley mining claim on the South

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

~~at a point in a~~ ~~direction~~ ~~feet from~~
~~the discovery shaft~~ (at which this notice is posted), being in the center of the South
end line of said claim; thence S 84° 10' E 300 feet to a monument,
, being the S.E. corner of said claim; thence
N 17° 5' E 1500 feet to a monument, being at the
N.E. corner of said claim; thence N 84° 10' W 300 feet
to a monument at the center of the North end of said claim;
thence N 84° 10' W 300 feet to a monument, being at the
N.W. corner of said claim; thence S 17° 5' W 1500
feet to a monument at the S.W. corner of said claim;
thence S 84° 10' E 300 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.

This is an Amended Location Notice of the Luckey
Mining Claim, located by J.H.Ehle, A.E.Ehle, Wm P.Ehle and John H Quick
on the 16th day of
October 1906, and recorded in Book 78 of Records of Mines, at
page 144, in the office of the County Recorder of the aforesaid County of Yavapai
to which reference is hereby made, and this Amended Location Notice is made and posted to correct
errors in the description in the said original Location Notice.

Dated and posted on the ground this 6th day of September 1907.

J.H.Ehle, A.E.Ehle, Wm P Ehle and John H Quick

Filed and recorded at request of T.W.Otis, Dec. 5, A.D. 1907, at 1:15 o'clock
P.M., Book 82 of Mines, page 544, Records of Yavapai County, Arizona.
(\$Seal) J.C.Bradbury, County Recorder.

By G.H.Bishop, Deputy Recorder.

Notice of Mining Location

LODE CLAIM

SEP 17 1909

To All Whom It May Concern:

This Mining Claim, the name of which is the Lonley 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 purchased by J.H.Ehle, A.E.Ehle, William R.Ehle and John H Quick

citizens of the U.S.
(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 6 day of September 1907

The length of this claim is 1500 feet,
and We claim 1500 feet,
in a Northerly direction ~~and~~

~~feet in a~~ mon ~~direction from~~
the center of the discovery ~~shaft~~, at which this notice is posted, lengthwise of the claim, together with 300 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 South to the North

The claim is situated and located in the Copper Basin Mining District, in County, in the Territory of Arizona, about 4 miles in a N.E. direction from Skully Valley Station on the S.F.P. & P.R.R. and Joins the Logan Mining Claim on the West.

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

~~at a point in a~~ ~~direction~~ ~~feet from~~
~~the discovery shaft~~ (at which this notice is posted), being in the center of the South end line of said claim; thence S. 84° 10' E 300 feet to a monument, being the S.E. corner of said claim; thence N 5° 50' E 1500 feet to a Monument, being at the N.E. corner of said claim; thence N 84° 10' W 300 feet to a monument at the center of the North end of said claim; thence N 84° 10' W 300 feet to a monument, being at the N.W. corner of said claim; thence S 5° 50' W 1500 feet to a monument at the S.W. corner of said claim; thence S 84° 10' E 300 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.

This is an Amended Location Notice of the Lonley Mining Claim, located by J.H.Ehle, A.E.Ehle, William R Ehle & John H Quick on the 30 day of October 1906, and recorded in Book 78 of Records of Mines, at page 143, in the office of the County Recorder of the aforesaid County of Yavapai to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 6 day of September 1907

J.H.Ehle, A.E.Ehle, William R.Ehle and John H.Quick

Filed and recorded at request of T.W.Otis, Dec. 5, A.D. 1907, at 1:15 o'clock P.M., Book 82 of Mines, page 545, Records of Yavapai County, Arizona.
(Seal) J.C. Bradbury, County Recorder.
By G.H. Bishop, Deputy Recorder.

AMENDED
Notice of Mining Location

31

LODE CLAIM

SEP 17 1907

To All Whom It May Concern:

This Mining Claim, the name of which is the Three Ridge 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 purchased by Ed Barr and F.D. Barr citizens of the U.S.

(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 6th day of September 1907

The length of this claim is 1500 feet, and we claim 1500 feet, in a northerly direction ~~and~~ feet in a mon direction from the center of the discovery ~~shaft~~, at which this notice is posted, lengthwise of the claim, together with 300 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 South to the North

The claim is situated and located in the Copper Basin Mining District, in Yavapai County, in the Territory of Arizona, about 4 miles in a N.E. direction from Skull Valley Station on the S.F.P & P.R.R. and joins the Lonley mining claim on the north

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

at a point in a ~~direction~~ feet from the discovery ~~shaft~~ (at which this notice is posted), being in the center of the South end line of said claim; thence S 84° 10' E 300 feet to a monument, being the S.E. corner of said claim; thence N 5° 50' E 1500 feet to a monument, being at the N.E. corner of said claim; thence N 84° 10' W 300 feet to a monument at the center of the North end of said claim; thence N 84° 10' W 300 feet to a monument, being at the N.W. corner of said claim; thence S 5° 50' W 1500 feet to a monument at the S.W. corner of said claim; thence S 84° 10' E 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.

This is an Amended Location ~~Notice~~ of the Three Ridge Mining Claim, located by Ed Barr and F.D. Barr, on the 22nd day of April 1907, and recorded in Book 80 of Records of Mines, at page 502, in the office of the County Recorder of the aforesaid County of Yavapai to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 6th day of September 1907

Ed Barr F.D. Barr

Filed and recorded at request of T.W. Otis, Dec. 5, A.D. 1907, at 1:15 o'clock P.M., Book 82 of Mines, page 546, Records of Yavapai County, Arizona.

(Seal) J.C. Bradbury, County Recorder.

AMENDED
Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

SEP 17 1909

This Mining Claim, the name of which is the Lincoln
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
purchased by J. H. Ehle, A. E. Ehle, William R. Ehle and John H. Quick, citizens
of the U. S.

(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 6th day of September 1907

The length of this claim is 1500 feet,
and we claim 1500 feet,
in a northerly direction ~~and~~

~~feet in a~~ mon ~~direction~~ from
the center of the discovery ~~shaft~~, at which this notice is posted, lengthwise of the claim, together
with 300 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
South to the North

The claim is situated and located in the Copper Basin Mining District, in
Yavapai County, in the Territory of Arizona, about 4 miles
in a N. E. direction from Skull Valley Station on the
S. F. P. & P. R. R. and joins the Logan mining claim on the South

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

~~at a point in a~~ direction ~~feet from~~
~~the discovery shaft~~ (at which this notice is posted), being in the center of the South
end line of said claim; thence S 84° 10' E 300 feet to a monument
S. E. corner of said claim; thence
N 17° 5' E 1500 feet to a monument, being at the
N. E. corner of said claim; thence N 84° 10' W 300 feet
to a monument at the center of the North end of said claim;
thence N 84° 10' W 300 feet to a monument, being at the
N. W. corner of said claim; thence S 17° 5' W 1500
feet to a monument at the S. W. corner of said claim;
thence S 84° 10' E 300 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.

This is an Amended Location Notice of the Lincoln
Mining Claim, located by J. H. Ehle, A. E. Ehle, William R. Ehle and John H. Quick
on the 16th day of
October 1906, and recorded in Book 78 of Records of Mines, at
page 145, in the office of the County Recorder of the aforesaid County of Yavapai
to which reference is hereby made, and this Amended Location Notice is made and posted to correct
errors in the description in the said original Location Notice.

Dated and posted on the ground this 6th day of September 1907

J. H. Ehle, A. E. Ehle, William R. Ehle and John H. Quick

Filed and recorded at request of T. W. Otis, Oct 23, 1907, at 4:15 o'clock
P. M., Book 82 of Mines, page 534, Records of Yavapai County, Arizona.
(Seal) J. C. Bradbury, County Recorder.
By A. C. Gilmore, Deputy Recorder.

AMENDED
Notice of Mining Location

33

LODE CLAIM

To All Whom It May Concern:

SEP 17 1909

This Mining Claim, the name of which is the Logan
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
purchased by John H. Ehle, a citizen of the U.S.

(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 6th day of September 1907

The length of this claim is 1500 feet,
and 1 claim 750 feet,
in a northerly direction and
750 feet in a Southerly direction from
~~the center of the discovery~~ ^{mon} ~~shaft~~, at which this notice is posted, lengthwise of the claim, together
with 300 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
South to the North

The claim is situated and located in the Copper Basin Mining District, in
County, in the Territory of Arizona, about 4 miles
in a N.E. direction from Skull Valley Station on the S.F.P. &
P.R.R.

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

at a point in a Southerly direction 750 feet from
^{mon} ~~shaft~~ (at which this notice is posted), being in the center of the South
end line of said claim; thence S 84° 10' E 300 feet to a monument
, being the S.E. corner of said claim; thence
N 5° 50' E 1500 feet to a monument, being at the
N.E. corner of said claim; thence N 84° 10' W 300 feet
to a monument at the center of the North end of said claim;
thence N 84° 10' W 300 feet to a monument, being at the
N.W. corner of said claim; thence S 5° 50' W 1500
feet to a monument at the S.W. corner of said claim;
thence S 84° 10' E 300 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.

This is an Amended Location Notice of the Logan
Mining Claim, located ~~by~~ and amended by John H. Ehle
on the 13th day of
November 1906, and recorded in Book 77 of Records of Mines, at
page 189, in the office of the County Recorder of the aforesaid County of Yavapai
to which reference is hereby made, and this Amended Location Notice is made and posted to correct
errors in the description in the said original Location Notice.

Dated and posted on the ground this 6th day of September 1907

John H. Ehle

Filed and recorded at request of T.W. Otis, Dec. 5, A.D. 1907, at 1:15 o'clock
P.M., Book 82 of Mines, page 541, Records of Yavapai County, Arizona,
(Seal) J.C. Bradbury, County Recorder.

By A.C. Gilmore, Deputy Recorder.

AMENDED Notice of Mining Location

LODE CLAIM

SER 17, 1909

To All Whom It May Concern:

This Mining Claim, the name of which is the Logan Ex
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
purchased by D.N. Bartholdi and F.D. Barr citizens of the U.S.

(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 6th day of September 1907

The length of this claim is 1500 feet,
and We claim 1500 feet,
in a Northerly direction ~~and~~
~~feet in a~~ mon ~~direction~~ from
the center of the discovery ~~shaft~~, at which this notice is posted, lengthwise of the claim, together
with 300 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
South to the North

The claim is situated and located in the Copper Basin Mining District, in
Yavapai County, in the Territory of Arizona, about 4 miles
in a N.E. direction from Skull Valley Station on the S.F.P &
P.R. and joins the Logan mining claim on the North

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

~~at a point in a~~ direction ~~feet from~~
~~the discovery shaft~~ (at which this notice is posted), being in the center of the South
end line of said claim; thence S 84° 10' E 300 feet to a monument
S.E. corner of said claim; thence
N 5° 50' E 1500 feet to a monument, being at the
N.E. corner of said claim; thence N 84° 10' W 300 feet
to a monument at the center of the North end of said claim;
thence N 84° 10' W 300 feet to a monument, being at the
N.W. corner of said claim; thence S. 5° 50' W 1500
feet to a monument at the S.W. corner of said claim;
thence S. 84° 10' E 300 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.

This is an Amended Location Notice of the Logan Ex
Mining Claim, located by D.N. Bartholdi and F.D. Barr
on the 8th day of
December 1906 and recorded in Book 78 of Records of Mines, at
page 397, in the office of the County Recorder of the aforesaid County of Yavapai
to which reference is hereby made, and this Amended Location Notice is made and posted to correct
errors in the description in the said original Location Notice.

Dated and posted on the ground this 6th day of September 1907

Filed and recorded at request of) D.N. Bartholdi
T.W. Otis, Dec. 5, A.D. 1907, at 1:15) F.D. Barr
o'clock P.M., Book 83 of Mines,)
page 542, Records of Yavapai
County, Arizona. (Seal) J.C. Bradbury, County Recorder.

Notice of Mining Location

LODE CLAIM

SEP 17 1907

To All Whom It May Concern:

This Mining Claim, the name of which is the Seventy two.
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 Logan Copper Co

(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 28 day of September 1907

The length of this claim is 1500 feet,
and we claim 750 feet,
in a northerly direction and

750 feet in a southerly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred (300) feet in width of the surface grounds, on each side of the center of said ~~claim~~^{vein}. The general course of the lode deposit and premises is from the northerly to the southerly.

The claim is situated and located in the Copper Bason Mining District, in Yavapai County, in the Territory of Arizona, about 5 1/2 miles in a Northerly direction from Skull Valley & about 1/2 mile south west of Sugar Loaf monutain

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

at a point in a northerly direction 750 feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence easterly 300 feet to a monument of stones, being the northeast corner of said claim; thence southerly 1500 feet to a monument of stones, being at the southeast corner of said claim; thence westerly 300 feet to a monument of stones at the center of the south end of said claim; thence westerly 300 feet to a monument of stones, being at the southwest corner of said claim; thence northerly 1500 feet to a monument of stones, being ~~at~~ the northwest corner of said claim; thence easterly 300 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, Concerning Mines," approved March 20th, 1895, and amended March 2d, 1899, ~~Revised and Codified by the Laws of the Territory of Arizona, approved March 16, 1901,~~ and March 16th, 1901.

Dated and posted on the ground this 28 day of September 1907

Filed and recorded at request of T.W. Otis, Dec. 5, A.D. 1907, at 1:15 o'clock P.M., Book 83 of Mines, page 280, Records of Yavapai County, Arizona. } Logan Copper Co } T.W. Otis

(Seal) J.C. Bradbury, County Recorder.) President

By H.E. Aston, Deputy Recorder.

Notice of Mining Location

LODE CLAIM

SEP 17 1909

To All Whom It May Concern:

This Mining Claim, the name of which is the Bay Horse 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 F. D. Barr

(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 10 day of January 1907

The length of this claim is 150 feet,
and I claim 750 feet,
in a northerly direction and 750

feet in a southerly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred (300) feet in width of the surface grounds, on each side of the center of said ^{vein.} claim. The general course of the lode deposit and premises is from the northerly to the southerly,

The claim is situated and located in the Copper basin Mining District, in Yavapai County, in the Territory of Arizona, about 5 miles in a Northerly direction from Skull Valley Station, & 1/2 mile from sugar loaf mountain

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

at a point in a northerly direction 750 feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence easterly 300 feet to a monument of stones, being the northeast corner of said claim; thence southerly 1500 feet to a monument of stones, being at the southeast corner of said claim; thence westerly 300 feet to a monument of stones at the center of the south end of said claim; thence westerly 300 feet to a monument of stones, being at the southwest corner of said claim; thence northerly 1500 feet to a monument of stones being at the northwest corner of said claim; thence easterly 300 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

"An Act Concerning Mines", approved March 30th, 1895, and amended March 3d, 1899, and March 16th, 1901.

Dated and posted on the ground this 10 day of January 1907

F. D. Barr

Recorded at Request of D. N. Bartholdi Jan 16 A. D. 1907 at 130 o'clock P. M. in Book 78 of Mines, Pages 393. Records of Yavapai County, Arizona.

(Seal)

J. C. Bradbury, County Recorder.

By G. H. Bishop Deputy Recorder.

Notice of Mining Location

LODE CLAIM

SER 17, 1909

To All Whom It May Concern:

This Mining Claim, the name of which is the Bay Horse Extention 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 E. D. Barr

(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 10 day of January 19 07

The length of this claim is 1500 feet, and I claim 600 feet, in a northerly direction and

900 feet in a southerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred (300) feet in width of the surface grounds, on each side of the center of said ~~claim~~ ^{vein} The general course of the lode deposit and premises is from the northerly to the southerly

The claim is situated and located in the Copper Basan Mining District, in Yavapai County, in the Territory of Arizona, about 5 miles in a Northerly direction from Skull Valley station & 1/3 mile west at sugar loaf ^{south end of this} claim joins the north end at the Bay horse claim

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

at a point in a northerly direction 600 feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence easterly 300 feet to a monument of stones, being the northeast corner of said claim; thence southerly 1500 feet to a monument of stones, being at the southeast corner of said claim; thence westerly 300 feet to a monument of stones at the center of the south end of said claim; thence westerly 300 feet to a monument of stones, being at the southwest corner of said claim; thence northerly 1500 feet to a monument of stones being the northwest corner of said claim; thence easterly 300 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~~ ^{"An Act} Concerning Mines", approved March 30th, 1895, and amended March 3d 1899, ~~Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.~~ and March 16th, 1901.

Dated and posted on the ground this 10 day of January 19 07

F. D. Barr

Recorded at Request of D.N. Bartholdi Jan 16" A.D. 1907 at 1 30 o'clock P.M. in Book 78 of Mines, page 393, Records of Yavapai County, Arizona.

(Seal) J. C. Bradbury, County Recorder.

By G. H. Bishop, Deputy Recorder.

Notice of Mining Location

LODE CLAIM

SEP. 17. 1909

To All Whom It May Concern:

This Mining Claim, the name of which is the Sure Enough No. 16 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 T.C.Hill

a citizen of the U.S.
(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 18 day of October 19 07

The length of this claim is 1500 feet,
and I claim 1500 feet,
in a Northerly direction ~~and~~

~~feet in a~~ direction from
the center of the discovery ~~shaft~~ ^{monu} at which this notice is posted, lengthwise of the claim, together with 300 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 South to the North

The claim is situated and located in the Copper Basin Mining District, in Yavapai County, in the Territory of Arizona, about 4 Miles in a N E direction from Skull Valley P.R. Station and joins the Fraction Mining Claim on the N.E.

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

~~at a point in a~~ direction ~~feet from~~
~~the discovery shaft~~ (at which this notice is posted), being in the center of the South end line of said claim; thence 300 feet to a Monument, being the S E corner of said claim; thence Northerly 1500 feet to a Monument, being at the N E corner of said claim; thence 300 feet to a Monument at the center of the North end of said claim; thence Northerly 300 feet to a Monument, being at the N.W. corner of said claim; thence Southerly 1500 feet to a Monument at the S W. corner of said claim; thence Southerly 300 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 18 day of October 19 07

T.C.Hill

Filed and recorded at request of T.W.Otis, Oct. 21, A.D. 1907, at 1:15 o'clock P.M., Book 83 of Mines, page 140, Records of Yavapai County, Arizona.
(Seal) J.C. Bradbury, County Recorder.
By H.E. Aston, Deputy Recorder.

TERRITORY OF ARIZONA,)
County of Yavapai,) ss.

I, J.C. Bradbury, County Recorder in and for the aforesaid County of Yavapai, and Custodian of the Records of such office, do hereby certify that I have compared the foregoing copies with and that the same are true and correct copies of the location notices of the following named lode mining claims, as appears of record in my said office, situated in Copper Basin Mining District, Yavapai County, Arizona, and recorded at the Books and pages as follows, to-wit:-

COPPER CHIEF, the amended notice of location whereof is of record in Book 82 of Mines, at page 543, Records of Yavapai County, Arizona.

LUCKEY, the amended notice of location whereof is of record in Book 82 of Mines, at page 544, said records.

LONELY, the amended notice of location whereof is of record in Book 82 of Mines, at page 545, said records,

THREE RIDGE, the amended notice of location whereof is of record in Book 82 of Mines, page 546, said records.

LINCOLN, the amended notice of location whereof is of record in Book 82 of Mines, at page 534, said records.

LOGAN, the amended notice of location whereof is of record in Book 82 of Mines, at page 541, said records.

LOGAN EXT, the amended notice of location whereof is of recorded in Book 82 of Mines, at page 542, said records.

SEVENTY TWO, the original notice of location whereof is of record in Book 83 of Mines, at page 280, said records.

BAY HORSE, the original notice of location whereof is of record in Book 78 of Mines, at page 392, said records.

BAY HORSE EXT, the original notice of location whereof is of record in Book 78 of Mines, at page 393, said records.

SURE ENOUGH NO.16, the original notice of location whereof is of record in Book 83 of Mines, at page 140, said records.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, this 16th day of September, A.D.1909.



J.C. Bradbury
County Recorder.

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,

December 22, 1909.

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

Logan Copper Company,

known as the LOGAN, LOGAN EX, COPPER CHIEF, LUCKEY, LINCOLN, LONELY, THREE RIDGE, SEVENTY TWO, BAY HORSE, BAY HORSE EXTENTION, SURE ENOUGH NO. 16,

situate in Copper Basin Mining District,

Yavapai County, Arizona,

in Section Approx. 13, Township No. 14 N., Range No. 4 W., Unsur.,

designated as Survey No. 2730

executed by J. J. Fisher, U. S. Deputy Mineral

Surveyor, Sept. 21 - 25, 1909, under my instructions dated

Sept. 17, 1909, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Handwritten signature of Frank D. Ingalls

U. S. Surveyor-General for Arizona.

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

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

Phoenix, Arizona,

December 22, 1909.

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

Logan Copper Company, known as the
LOGAN, LOGAN EX, COPPER CHIEF, LUCKEY, LINCOLN, LONELY, THREE RIDGE,
SEVENTY TWO, BAY HORSE, BAY HORSE EXTENTION, SURE ENOUGH NO. 16,

, situate in Copper Basin

Mining District, Yavapai County,

Arizona, in Section Approx. 13, Township No. 14 N.,

Range No. 4 W., Unsur., and designated as Survey

No. 2730, 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 9 shafts, 11 cuts and 2 tunnels,

value \$8800.00. A 1-11 (\$500) of the value of Shaft No. 4

on the Logan lode is properly accredited to each of the lode

claims of this survey.

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.