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(4-683.)

Mineral Survey No. 837.

Lot No. 45.

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Herbert H. Logan

KNOWN AS THE

Long Tonto Mining Claim
Green Valley

Mining District,

Yavapai County, Arizona
Section _____, Township _____, Range _____Surveyed under instructions dated May 9th, 1888,by Thomas W. Hine,
U. S. Deputy Mineral Surveyor.Claim located February 27th, 1884.Survey commenced May 25th, 1888.Survey completed May 25th, 1888.

PRELIMINARY OATHS.

FOR SURVEYS OF MINING CLAIMS AND MILL-SITES.

WE, Harry Wadams and Nathaniel Traver
do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level
the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the
same; that we will report the true distance to all notable objects, and the true length of all lines
that we assist in measuring, to the best of our skill and ability.

Harry Wadams
Nathaniel Traver

SWORN to and subscribed before me this 22nd day
of May, 1888.

M. S. Spaulding
Notary Public

I, Harry Wadams
do solemnly swear that I will well and truly perform the duties of Flagman
according to instructions given me,
to the best of my skill and ability.

Harry Wadams

SWORN to and subscribed before me this 22nd day

of May, 1888.
M. S. Spaulding
Notary Public

Field Notes
of the Survey of the
Long Tom Mining Claim
in the Green Valley Mining
District Yavapai County Arizona
Claimed by Herbert Hagan.
Surveyed by Thomas M. Hind
U.S. Deputy Min. Surveyor
under instructions from the
Surveyor General of date of
May 9th 1888

Survey Commenced May 25-1888
Completed. " 25-1 888

Description of Survey.
Beginning at the initial
monumented as the location
notice and marking the
South Boundary end of Claim
It being the same monument
that serves as an initial mon.
for the Contact Mining Claim.
(C No 1 I.M.) when struck
on stone post previously
established for I.M. of Contact
Claim. L.T. No 1 I.M.
and built alongside a mon.
of stones.

Thence S 40° 35' E
Var 14° 15' E

300 To loc mon and mon. & post
C No 6 when I establish corner
by marking on S.W. side
of Sandstone Post already
set as corner No 6 of Contact
Mining Claim. L.T. No 2

Thence N 49° 26' E
Var 14° 15' E

950 To loc mon when I set a
Sandstone 36 x 10 x 8 ins 20 ins

in the ground and built
alongside a row of stones.
Stone marked L.T. No 3

Thence $N\ 40^{\circ}\ 35'\ W$

Var $14^{\circ}\ 15'\ E$

300 To loc. row when I set a
sandstone $24 \times 10 \times 8$ ins
14 ins wth the ground and
built alongside a row of
stones.

Stone marked L.T. No 4

Thence $N\ 40^{\circ}\ 35'\ W$

Var $14^{\circ}\ 15'\ E$

300 To loc. row when I set a
sandstone $26 \times 10 \times 8$ ins 16 ins
wth the ground and built alongside
a row of stones.

Stone marked L.T. No 5

Thence $S\ 49^{\circ}\ 25'\ W$

Var $14^{\circ}\ 15'\ E$

950 To loc. row & more post
C No 2 When I established
corner by marking on the SW
side of sandstone post
already set as corner No 2
of Cutart Mining Claim
L.T. No 6. U.S. Min Rec No 5

Green Valley Dist Bears. $N\ 40^{\circ}\ 35'\ W$ dist 500 ft.

Thence $S\ 40^{\circ}\ 35'\ E$

Var $14^{\circ}\ 15'\ E$

300 To row & post L.T. No 1
and place of beginning.

Area

Total Net Area of Claim. 13.08 Acre.

Location

This Claim is located on
Unsurveyed land on the right-
hand side of the wagon road

heading from the East Verde
to Pine Creek and about
2½ miles from the East Verde.

Improvements
made upon this claim by
claimant or grantors consists
of a Tunnel Hat Bear.

$N 35^{\circ} 00' W$ dist 50 ft from
LT No. 1 Hat is $4 \times 6 \times 24$ feet
long with an open cut $6 \times 10 \times 60$
feet long extending North West
from it.

The face of a Tunnel $4 \times 6 \times 40$
feet long Bear. $N 29^{\circ} 25' E$
dist 50 ft from LT No. 1 with
cut $4 \times 6 \times 30$ feet long extending
North West from the face of said Tunnel.

A shaft $4 \times 6 \times 10$ feet deep bears.
 $N 29^{\circ} 25' E$ dist 75 feet from
LT No. 1.

A cut $4 \times 6 \times 40$ feet long. Extends
North West from a point that
Bear. $N 44^{\circ} 25' E$ dist 25 feet
from LT No. 1.

I hereby certify that the value
of said improvements exceeds the
sum of Five hundred Dollars.

There have been no improvements
made by other parties upon this
claim.

Instrument used a Gurley
Solar Transit steel chain
Var & courses taken by means
of the Solar apparatus.

Thomas Whine
U.S. Deputy Min. Surveyor.
Phoenix Ariz June 9th 1888

AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, Harry N Adams and Nathaniel Traver
 of lawful age, being first duly sworn according to law, depose and say that we are acquainted with
 the Long Forte
 mining claim, situated in Green Valley
 Mining District, Yavapai County, Arizona
 Territory, for which Herbert H Logan and
 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 his grantor & exceed Five Hundred Dollars in value, and further that
 we are not personally interested in said mine.

Harry N Adams
Nathaniel Traver

TERRITORY OF ARIZONA,
 County of Maricopa }
 } ss.

Sworn to and subscribed before me this 8th day

of June, 1888.

M. C. Spaulding
State Public

FINAL OATHS FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

A list of names of individuals employed to assist in running, measuring or marking the lines and corners described in the foregoing field-notes of the survey of The Long Tonto Mining Claim located in Grou Valley Mining District, Yavapai County, Arizona, showing the respective capacities in which they acted.

Harry W Adams, Chainman.

Nathaniel Faver, Chainman.

, Axeman.

Harry W Adams, Flagman.

We hereby certify that we assisted Thomas M. Hine, U. S. Deputy Surveyor, in surveying The Long Tonto Mining Claim claimed by Herbert A. Logan located in Grou Valley Mining District, Yavapai County, and in Township No. , Range No. of the Gila and Salt River base and meridian, Arizona, and that said survey has been in all respects, to the best of my knowledge and belief, well and faithfully executed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Harry W Adams, Chainman.

Nathaniel Faver, Chainman.

, Axeman.

Harry W Adams, Flagman.

SWORN to and subscribed before me this 8th day

of June, 1888.

M. E. Spaulding
Notary Public

I, Thomas M. Hine U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from the U. S. Surveyor General for Arizona, bearing date the Ninth day of May, 1888, I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor General and the laws of the United States, surveyed all those portions of the Long Tonto Mining Claim

claimed by Herbert A. Logan located in Grou Valley Mining District, Yavapai County, Arizona, as are represented in the foregoing field-notes as having been surveyed under my instructions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the instructions furnished me, and that the foregoing are the true and original field-notes of such surveys.

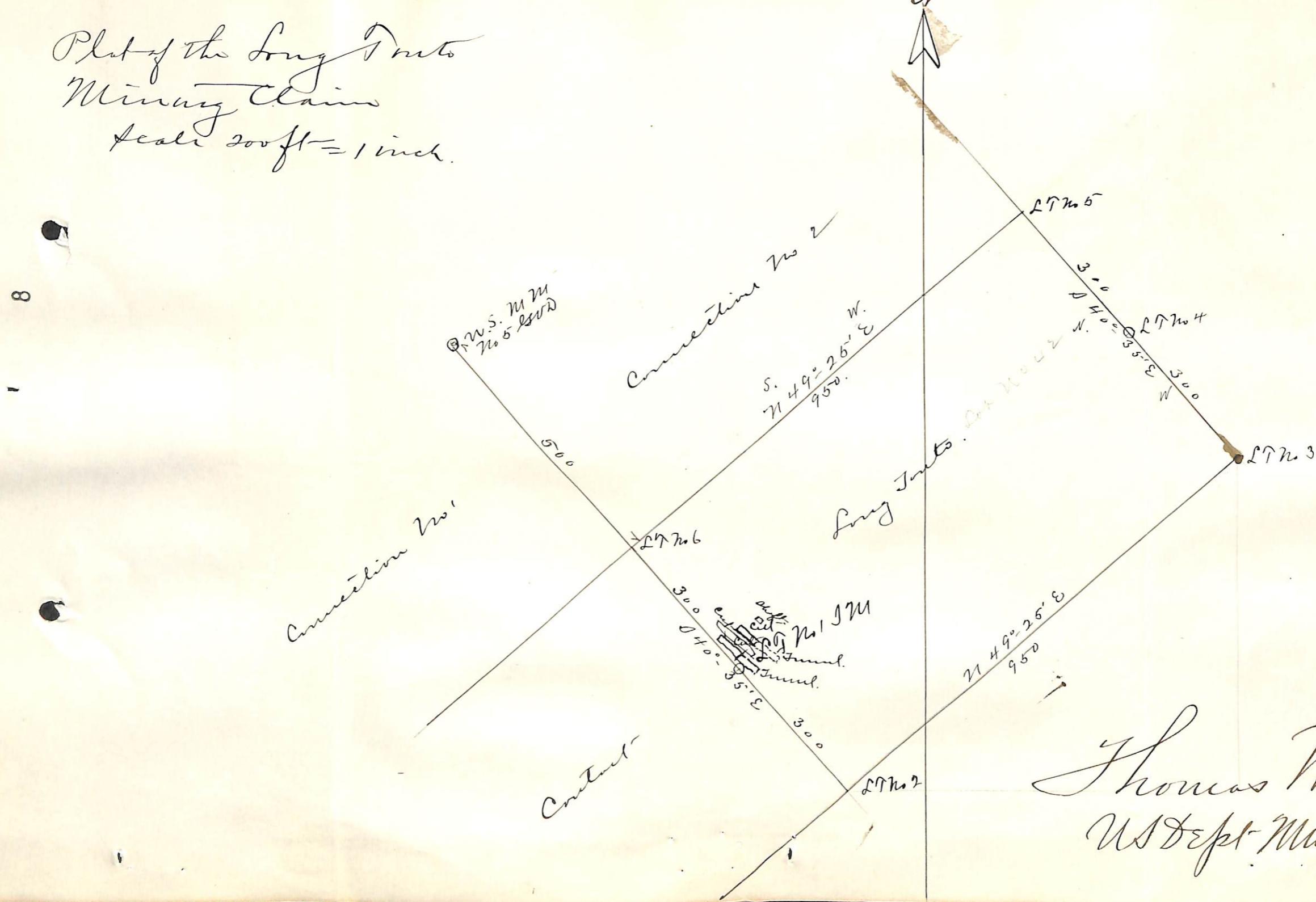
Thomas M. Hine Deputy Surveyor.

SWORN to and subscribed before me this Eighth day

of June, 1888.

M. E. Spaulding
Notary Public

Plot of the Long D into
Minway Claims
Scale 200 ft = 1 inch.



Thomas White
U.S. Dept. Min. Surv.

Long Tonto.

Location Notice.

Notice is hereby given that the undersigned have this day located and claim 1500 linear feet along the course of this lead lode or vein of mineral bearing quartz with 300 feet in width on each side of the middle of said lode or vein situated Yavapai County A.T. Green Val Dist and more particularly described as follows to wit.

Commencing at this monument of stone being the center of the S. Westerly end of claim and in which this notice is posted thence Easterly 300 feet to a monument of stone thence N. Easterly 1500 feet to a monument of stone, thence N. Westerly 300 feet to a monument of stone being the center of the N. E. end of claim thence N. Westerly 300 feet to a monument of stones thence S. Westerly 1500 feet to a monument of stones, thence S. Easterly 300 feet to place of beginning.

This claim is situated Yavapai County A.T. and about $2\frac{1}{2}$ miles from Logan City in a northerly direction and joins the Kontakt mine, and shall be known as the Long Tonto mine.

Located Feb. 27th 1884.

Witness

D. D. Gowan

Locators

J. C. Houston.
W. Jones.

Territory of Arizona. } ss.
County of Yavapai. }

I.....*E.J.F. Horne*..... County Recorder, in and
for the County of Yavapai, in the Territory of Arizona, and Custodian of the Records
thereof, do hereby certify that I have compared the above and foregoing with, and the
same is a full, true and correct copy of *the original location
notice of the "Long Pontto" mining claim
as the same appears of record in this
office*



Given under my hand and seal of office this 17th

day of *May* A. D. 1888..

E.J.F. Horne
County Recorder.

Filed and Recorded at request of H. H. Logan
April 25th A.D. 1884 at 9 o'clock A.M. in
Book 19 of Mines page 626 Records of Yavapai
County, Arizona.

H. H. Learter
County Recorder.

U. S. Surveyor-General's Office.

Tucson, Arizona, June 30th 1888.

The foregoing Field Notes of the survey of the
Long Tonto Mining Claim
situate in the Green Valley mining district, Yavapai
County, Arizona, claimed by.....

Herbert H. Logan
survey executed by Thomas W. Hine Deputy
Surveyor, under instructions from this office, having been critically
examined and the necessary corrections and alterations made, the said
Field Notes and the survey they describe are hereby approved.

John Hise
Surveyor General.