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LOT NO 49

SURVEY NO 499

Field Notes

of the survey of the

Hermosa

Mining Claim

Situate in Harshaw mining district.

County of Pima and in Sec _____, Tp 235

Range 16 E, of the Gila and Salt River Meridian.

ARIZONA.

Claimed by The Harshaw Mining Company
of New York

Survey executed by Wm. S. Edwards U.S. D. S.

Under instructions dated July 9th 1880

Survey commenced April 27 1883

Survey completed April 27 1883

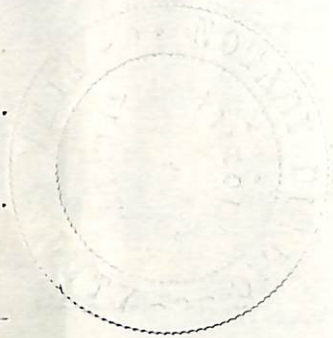
PRELIMINARY OATHS FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, Joe G. Best and Edwin S. Oake
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 lengths of all lines that we assist in measuring, to the best of our skill and ability.

J. G. Best
E. S. Oake

SWORN AND SUBSCRIBED before me this 26th
day of April 1883.

J. H. Sumner
Notary Public



I, Francis A. Lamont & Myron D. Cooley
do solemnly swear that I will well and truly perform the duties of Assessor and
Flagman according to instructions given me, and
to the best of my skill and ability.

F. A. Lamont
M. D. Cooley

SWORN AND SUBSCRIBED before me this 26th
day of April 1883.

J. H. Sumner
Notary Public



Field Notes
 of the survey
 of the
 Hermosa Mining Claim
 Harshaw Mining District
 Pima County, A. T.
 Claimed by
 The Harshaw Mining Company
 of New York
 Surveyed April 27th 1883
 under instructions from the
 U. S. Surveyor General
 Dated July 9th 1880
 Wm. J. Edwards
 Dep. U. S. Min. Surv.

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Field Notes of the Official Survey of the

First Hermosa Mining claim Harshaw
Mining Dist. Pinal Co. A. T.

Survey Commenced April 27th 1883

Instrument used

Bull & Burger Transit No. 235 four
inch magnetic needle - Compass
circle graduated to thirty minutes
Outer circle six inches in diameter
graduated to fifteen minutes, read-
ing by two verniers to single
minutes

Magnetic Variation
13° 40' E.

By observation on α Urs. Min. at
Eastern Elongation

Commenced at the East
Center of claim, which is also
the West Center of the Bluff
mining claim and marked
by a stake set in a monument
of rock which I replace by a
4x4 inch Pine post five feet
long set on the solid rock
marked on two sides thus
H. M. C. E. C. N^o 1 and on other
B. M. C. W. C. N^o 1 surrounded
by a large monument of rock
From this point a Juniper tree
24 in. diam blazed and marked
H. M. C. E. C. N^o 1 B. M. C. W. C. N^o 1
bearing S. 65° W dist. 16.4 ft.
A. White Oak tree with two trunks
14 x 12 in. diam. blazed & marked
H. M. C. E. C. N^o 1 B. M. C. W. C. N^o 1
bearing N. 54° E. dist. 56.5 feet
From this corner I run

Field Notes of the Official Survey of the

Hermosa Mining Claim Harshaw
Mining District Pima Co. A. T.

N. 3° - 55' W
Var. 13° - 40' E.

Ground descending

100 Cross trail from Revolution Tunnel
300 To the North East corner of claim
which is also the N. W. Cor. of
the Bluff Mining claim, marked
by a stake set in monument of
rock which I replace with a
4x4 inch Pine post five feet
long one and one-half feet in
the ground marked on two sides
H. M. C. N. E. N° II - B. M. C. N. W. N° II
Surrounded by a monument of
rock four feet at base and two
feet high - a White Oak tree
14 in. diam. blazed & marked H. M. C
N. E. N° II B. M. C. N. W. N° II brass
S. 72° - 10' W. dist 41 feet
Black Oak 18 in. diam, blazed &
marked H. M. C. N. E. N° II
B. M. C. N. W. N° II brass S. 7° - 50' E.
distant 55.7 feet
From this corner I run

S. 84° - 30' W
Var. 13 - 40 E

By forward & back sight

Ground ascending

100 Cross trail to Tunnel
850 Head of Revolution Gulch
1400 Cross road
1500 To the North West corner
marked by a stake set in
a monument of rock, which
I replace by a 4x4 inch pine
post five feet long, set one and

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Field Notes of the Official Survey of

Part the Hermosa Mining Claim
 Harshaw Min. Dist. Pima Co. A. T.

our half feet in the ground
 marked H. M. C. N. W. N^o III sur-
 rounded by a monument of rock
 four feet at base and two feet
 high An Oak tree 12 in. diam
 blazed and marked H. M. C. N. W. N^o III
 brass N-23°-40'E. dist 26 feet
 Oak tree 24 ins. diam. blazed & mark-
 ed H. M. C. N. W. N^o III brass
 S. 42°-20'E dist 30.7 feet
 Oak tree 18 ins. diam blazed & marked
H. M. C. N. W. N^o III brass S. 39°-40' N.
 distant 39 feet from this
 corner I run

S. 3°-55'E.
 Var. 13-40 E.

by forward & back sight
 Ground level

300 To West Centre of Claim mark-
 ed by a stake set in monument
 of rock which I replace with a
 4x4 ^{inch} Pine post set one & one-half
 feet in the ground marked
H. M. C. W. Cen. N^o IV surrounded
 by monument of rock four feet
 at base and two feet high
 An Oak tree 24 in. diam blazed &
 marked H. M. C. W. Cen. N^o IV brass
 N. 74°-40' E dist 38½ feet
 A Juniper tree 14 ins. diam blazed
 and marked H. M. C. W. Cen. N^o IV
 brass S. 89°-10' N dist 98.4 feet
 From this point continue

S. 3°-55'E.
 Var. 13-40 E.

by forward & back sight

Field Notes of the Official Survey of

the Hermosa Mining Claim
Haskell Uly. Dist. Pima Co. A. T.

Gradual descent

200
300

Low road from gulch
to an oak tree & the South
West Corner of Claim tree
Cut & marked H. M. C. S. W. No VI
and surrounded by a very large
monument of rock. From this
Corner I run

N. 84° - 30' E.

Var. 13° - 40' E.

By forward & back sight

Gradual descent along side
hill ground slopes down to
South & East

1450

Cross Protection Gulch and
the Turn in the low road

1500

from the low bin to mill
to South East Corner of claim
and South West Corner of the Bluff
Mining Claim marked by a stake
set in a monument of rock
which I replace by a 4 x 4 inch
pine post five feet long set
one & one-half feet in the ground
marked on two sides H. M. C. S. E
No VII & on other B. M. C. S. W No VI
surrounded by a monument of
rock four feet at base and two
feet high a white oak tree 10 in.
diameter blazed & marked H. M. C
S. E. No VII - B. M. C. S. W. No VI
bearing N. 56° E. dist 7 feet

White Oak 15 ins. diam. Blazed & mark-
ed H. M. C. S. E. No VII - B. M. C. S. W No VI

bearing S. 45° E. dist 58 feet

Juniper 14 ins. Blazed & marked H. M. C. S. E
No VII & B. M. C. S. W No VI bearing S. 58° - 21' dist 25 ft

Field Notes of the Survey of the

Hermosa Mining Claim Harshaw
Mining District Pima Co. A. T.

From this Corner I run

N. 3° - 55' W

Var 13° - 40' E.

by forward and back sight

50 Cross Protection Gulch running
East by North and Road

100 Cross trail from Protection
Tunnel to Blacksmith shop

300 To the East Center monument
and the place of beginning

Containing 20 $\frac{657}{100}$ Acres

From the West Cent. mon't.
The initial mon of Salvador
brass S. 87° - 15' W dist 393 ft.

From the North West Corner
of Claim the U.S. mineral
Monument No 1 brass N. 14° - 30' W,
dist 663.5 feet

Location of Holes

Commences at the Initial
monument and run

S. 84° - 30' W.

Var. 13 - 40 E

37 Ore bin capacity 400 tons near
mouth of Protection Tunnel
brass S. 5° - 30' E distant 215 ft

95 Cut brass S. 5° - 30' E. dist. 37 feet

140 Cut shaft N. 5° - 30' W. " 20 - " -

165 Mouth of Protection Tunnel brass
S. 5° - 30' E. dist. dist. 230 feet
Protection + Revolution Tunnels
connect on the two hundred foot

Field Notes of the ^{Survey of the} Formosa Mining

Foot Claim Hawkaw Mining District
Pima County A. T.

- level and run from one side of the claim to the other.
- 227 Incline 60 ft. deep connecting with other works bears $\text{S. } 5^{\circ}\text{-}30'\text{ E.}$ distant 120 feet
- 350 Shaft 200 feet deep and Air Chute connecting with the Tunnel level + covered with a large frame building
- 379 A large Stope coming to the surface from the Tunnel level
- 415 End of Stope on surface
- 410 Mouth of Revolution Tunnel bears $\text{N. } 5^{\circ}\text{-}30'\text{ W}$ dist. 390 feet
- 360 Cut & drift to vein bears $\text{S. } 5^{\circ}\text{-}30'\text{ E.}$ distant 140 feet
- 370 End of Cut
- 415 Open Cut bears $\text{S. } 5^{\circ}\text{-}30'\text{ E}$ dist. 140 ft.
- 480 " " " " " " " " 80 - "
- 480 " " " " " " " " 220 "
- 605 Mouth of Gardner Tunnel bears $\text{S. } 5^{\circ}\text{-}30'\text{ E.}$ dist 240 feet
- 747 Shaft Connected with Tunnel level, and Hoisting works
- 770 Shaft with cross cut bears $\text{N } 5^{\circ}\text{-}30'\text{ W}$ dist 140 feet
- 817 Stope Course to surface from Tunnel level bears $\text{S. } 5^{\circ}\text{-}30'\text{ E}$ distant 10 feet
- 817 Shaft connected with other workings by cross cut bears $\text{S. } 5^{\circ}\text{-}30'\text{ E.}$ distant 180 feet
- 950 Office 50 x 40 bears $\text{S. } 5^{\circ}\text{-}30'\text{ E}$ dist 10 feet
- 1000 Formans House 35 x 18 ft bears $\text{S. } 5^{\circ}\text{-}30'\text{ E.}$ dist 125 feet
- 1125 Boarding House 100 x 35 feet bears $\text{S. } 5^{\circ}\text{-}30'\text{ E}$ dist. 125 feet
- 1150 Stable bears $\text{S. } 5^{\circ}\text{-}30'\text{ E}$ dist.

Field Notes of the Survey of the

Hermosa Mining Claim Harshaw
Mining District Pima Co. A.T.

10 feet
1165 Shaft 100 feet deep with
hoisting works

All this work was done by
the present owners or their
grantees, and I hereby certify
that the value of said im-
provements exceeds the sum of
five hundred dollars.

General Description

This claim occupies the back corner
of a ridge formed by the Reso-
lution Gulch on the North and
the Protection Gulch on the South
The deepest workings have reached
a depth of nearly six hundred feet
on the vein and has about
two miles of drifting tunnel
ing &c. The Office & other buildings
are of wood all the drifts and
tunnels are supplied with car
tracks - The claim is bounded
on the North by the Resolution,
East by the Bluff & West by
the Little-Chap claims and
is covered with a good growth
of Oak, Juniper and Manzanita

Wm Edward

U.S. Dep. Min Surveyor

Survey Completed April 27 1883

FINAL OATHS FOR SURVEYS OF MINING CLAIMS ~~AND~~ MILL SITES.

A LIST of the 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 Hermosa Mining claim* located in *Kinslow* Mining District, *Pima* County, Arizona, showing the respective capacities in which they acted.

Jos. G. Best Chainman.
Edw. S. Oakes Chainman.
Francis A. Lamont Axeman.
Myron D. Cooley Flagman.

WE hereby certify that we assisted *Jos. G. Best* U. S. Deputy Surveyor, in surveying *the Hermosa Mining claim* claimed by *The Kinslow Mining Co. of New York* located in *Kinslow* Mining District, *Pima* 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 our knowledge and belief, well and faithfully executed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

J. G. Best Chainman.
E. S. Oakes Chainman.
F. A. Lamont Axeman.
M. D. Cooley Flagman.

SWORN TO AND SUBSCRIBED before me this *27* day of *April* 1883

J. H. Turner
 Notary Public

I, *Jos. G. Best* U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from *John Wasson*, U. S. Surveyor-General for Arizona, bearing date the *9th* day of *July* 1880, 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 Hermosa Mining claim* claimed by *The Kinslow Mining Co of New York* located in *Kinslow* Mining District, *Pima* County, Arizona, as are represented in the foregoing field-notes as having been surveyed under my directions; 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.

Jos. G. Best Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this *27* day of *April* 1883

J. H. Turner
 Citizen Print. Notary Public

AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, Myron D Cooley and Francis A Samont
of lawful age, being first duly sworn according to law, depose and say that we are acquainted with
the Himosa #
_____ mining claim, situate in Harshaw
_____ Mining District, Pima County, Arizona
Territory, for which The Harshaw Mining Co. of New York
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 grantors exceed Five Hundred Dollars in value, and further that we are
not personally interested in said mine.

M D Cooley
F. A. Samont

TERRITORY OF ARIZONA, }
County of Pima } SS.

SWORN AND SUBSCRIBED before me this 27th
day of April, 1883.

J H Turner
Notary Public

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Sierrita Mine

Notice of Location. Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10th 1872 have this day located and Claim Fifteen hundred linear feet along the course of this lead lode or vein of mineral bearing quartz and three hundred feet in width on each side of the middle of said lead lode or vein situated in the Harshaw Mining District County of Pima - Arizona, and more particularly described as follows to wit. Commencing at this monument of stones being the center of the east end of Claim and upon which this notice is posted thence north 300 feet to a monument of stones thence west fifteen hundred feet to a monument of stones thence south 300 feet to a monument of stones being the center of the west end of Claim thence south 300 feet to a monument of stones thence east 1500 feet to a monument of stones thence north 300 feet to the place of beginning. This Claim

is more particularly described as
being about one mile south of the
French Mine Smelting works and
near the head of the Spring Gulch
furnishing the water for the French
Mill Site and shall be known as
the Hermosa Mine Located Jan 30th.
1879.

Jose. L. Audriada
Filed and Recorded at Request of
D. T. Starshaw Feb 12th 1879 at
9.45 am

J. Carpenter
County Recorder
By W. M. Dornold
Deputy

Territory of Arizona 3
County of Pima 3 S.S.

J. Carpenter
County Recorder in and for the
County of Pima do hereby certify
that the above and foregoing is
a full true and correct copy
of the Location Notice of the
Hermosa Mine as appears of
Record now in my Office at Tucson
in Book "J" Pages 33 & 34 Records of
Mines. In witness whereof I have

Hereunto set my hand and affixed
my Official Seal this the 8th Day
of July A. D. 1880.

S. M. Carpenter
County Clerk

Plat
 Hermosa M^g. Claim
 Harshaw M^g. District
 Pima Co
 A. T.

Scale 200ft = 1 Inch

U.S. M.M.
 No I

N. 14° 30' W
 663.5 feet

Revolution

Revolution Tunnel

Trail

S. 84° 30' W

1500'

Area 20.65 Acres

Little

Bluff

I.M. S. 87° 15' W

Sabrador 393'

Chap

Lot 710 48

III
 300'
 IV
 300'
 V
 300'

II
 300' N. 3° 15' W
 I
 555' W
 VI
 300'

Road from Harshaw

Shaft

slope shaft

slope shaft

Incline

Houses

Cuts

Ore road

Tunnel

1500'

N. 84° 30' E.

Protection Tunnel

Road to mill

Ore Bin

Shaft

Cut Shaft

Cut

Lot 49

Shaft

1500'

13-408

U. S. Surveyor General's Office.

Tucson, Arizona, June 5th 1883.

The foregoing field notes of the survey of the Aconosa Mining Claim situate in the Harshaw Mining District, Pinal County, Arizona, claimed by The Harshaw Mining Co of New York survey executed by Wm S Edwards 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.

[Handwritten Signature]
Surveyor General.