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Lot No. 38. A^o & B.

Field Notes

of the survey of the Santa Tomas
Mining and Mill-Site Claims
Situate in Cababi Mining District

Pima County, Arizona

Claimed by Solomon Warner

Surveyed by Theo. F. White, D.S.

Under instructions from the Surveyor
General for Arizona, dated Dec. 18, 1873.

Survey commenced December 22, 1873

Survey completed December 23, 1873

Estimate on notes 4-22-30 \$1.25

Preliminary Oaths for Surveys of Mining Claims and Mill-Sites.

OATHS OF ASSISTANTS.

WE, F. C. Jones and J. M. C. Elliott

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.

F. C. Jones
J. M. C. Elliott

Sworn to and subscribed before me, this 20 day
of December 1873

William J. Osborn
Notary Public

I, R. A. Vasquez

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

R. A. Vasquez

Sworn to and subscribed before me this 20 day
of December 1873

William J. Osborn
Notary Public

Survey of the Santa Tomas Mining Claim
 Situate in Cababi Mining District, Pima Co. Arizona

Trains I find the line of the ledge to be N.W. and
 S. E. 42° .

Commence at the N. cor, where I set a post
 4 ft long, 3 in. squared, 1 ft in the ground, with
 mound of earth 2 ft high, taken from two
 pits on the lines of the claim, 1 ft deep, 3 ft long,
 $1\frac{1}{2}$ ft wide, and mark the post "S. T. M. C. (Santa
 Tomas Mining Claim.) No. 1." from which
 A pale verde tree 3 in. dia. has S. 34° E. 76 lvs. dist.
 A mesquite " 3 " " " S. 74° W. 102 " "
 which I mark "S. T. M. C. No. 1."

From this cor. the top of a saddle shaped moun-
 tain, the same one sighted to in the survey of the
 "El Cantivo" mining claim, has N. 27° 50' W.,
 and is by calculation 32.08 chs. dist.

From the foregoing N. cor. I run, along N. E. side of claim,
 S. 42° 30' E.

var. 12° 34' East

As for transit observations of Polaris.

- 4.00 Cross dry bed of stream, 10 lvs. wide, runs W.
 8.90 Small arroyo runs W.
 10.00 Along bend of dry stream, to the N. running N.W.
 13.00 Small gulch runs N.W.
 15.80 Gulch, 5 lvs. wide, runs N.W.
 18.60 Same gulch, runs N.
 22.72 $\frac{1}{2}$ On 1500 ft. To the E. cor, where I set a post 4 ft
 long, 3 in. squared, 1 ft in the ground, with mound
 of stones 2 ft high, and mark post "S. T. M. C."
 No. II. from which
 A pale verde 3 in. dia. has N. 8° $\frac{3}{4}$ W. 252 lvs. dist.
 A mesquite " " " " N. 65° W. 348 " "
 which I mark "S. T. M. C. No. II."
 From this cor. the summit of a prominent round
 mountain, the one sighted to in the survey of the
 "El Cantivo" mining claim, has S. 37° E. and is
 by calculation 43.30 chs. dist.

Survey of the Santa Tomas Mining Claims

Situate in Cababi Mining District, Pima Co. Arizona.

From the foregoing E. cor, I run along S. E. end of claim,
S. $47^{\circ}30'$ W
var. $12^{\circ}34'$ East

- 1.70 Gulch runs N.
- 4.00 Descend into wide gulch; dry stream 50 lbs. wide, runs S. W.
- 4.54 1/2 On 300 ft To S. cor. of claim, where I set a post
4 ft long, 3 in. square, 1 ft in the ground, with mound
of stones 2 ft high, and mark post "S. T. M. C. No. III"
from which
A Pale Verde 3 in. dia. br. N. $41^{\circ}1/4'$ W. 20 lbs. dist
A Pale Verde 2 1/2 " " " N. 16° E. 90 " "
which I mark "S. T. M. C. No. III"
Top of the prominent round mountain, before
mentioned, brs. from this cor. S. 38° E.

From the foregoing S. cor, I run along S. W. side of claim
N. $42^{\circ}30'$ W.
var. $12^{\circ}34'$ East

- Along in dry bed of stream.
- 2.00 Leave bed of stream.
- 5.00 Enter it again
- 6.00 Leave it, running N. W., and ascend bank.
- 11.36 Central shaft of mine br. N. E., 2.27 chs. to S. edge
of it.
- 14.26 Second shaft br. N. E., 2.57 chs. to S. edge of it.
- 17.80 Excavation along ledge, about 50 lbs. long, br. N. E., 2.00 chs. dist.
- 16.50 Gulch runs N. W.
- 19.00 Gulch, 1 ch. wide, runs N. W.
- 22.72 1/2 On 1500 ft To W. cor. of claim, where I set a post
4 ft long, 3 in. square, 1 ft in the ground, with mound
of stones and earth 2 ft high, earth taken from
two pits on the lines of the claim 1 ft deep, 2 1/2 ft
long, 1 1/2 ft wide, and mark post "S. T. M. C. No. IV"
from which
A mesquite 4 in. dia. br. N. $45^{\circ}1/2'$ E. 77 lbs. dist
A mesquite 4 " " " N. $45^{\circ}1/4'$ E. 124 " "
which I mark "S. T. M. C. No. IV."
The horn of the saddle shaped mountain before referred to,
brs. from this cor. N. $15^{\circ}35'$ W.

Survey of the Santa Tomas Mining Claim

Situate in Cababi Mining District, Pima Co., Arizona.

N. 47° 30' W.

var. 12° 34' East

1,775 - Arroyos M.

4.54 - 0, 300 ft 50 feet No. 1. the point of beginning.

The claim contains 10.33 Acres.

General Description.

The central shaft is 6 ft wide x 5 ft high; follows the ledge which dips steeply from the horizon, to a depth of 30 ft, from which a "fronson" or level is run to the left 20 ft.

The second shaft follows the ledge to a depth of 30 ft, then there is a short offset of 12 ft to the left, and continues to a depth of 30 ft further. At this depth levels are run to the right and left, - the one to the right, a distance of 18 ft, and the one to the left, a distance of 25 feet.

I certify that the value of the labor and improvements on this claim, made by claimant and his grantor, exceeds five hundred dollars. There are no adjoining claims. The ground in the vicinity of the mine is rolling and broken. Soil poor and stony. Timber is scarce and water is distant by the trail between 3 and 4 miles E. of it.

The ore of this mine is quartz, bearing lead, copper and silver in varying quantities.

From the E. cor. post 2 of the Santa Tomas Mining Claim, I run a line S. 83° 36' E. 9.08 chs. to N. W. cor. post No. 2. of the El. Cantos Mining Claim.

Theodore F. White

Deputy Surveyor

December 22, 1873.

Survey of the Santa Tomas Mill Site Claim

Situate in Cababi Mining District Pima Co. Arizona

Chain Commencing at the N.E. cor. of Mill-Site, I set a post 4 ft long, 3 in. squared, 1 ft in the ground, and build mound of earth 2 ft high, with two pits on the lines of the claim 1 ft deep, 3 ft long, 1 1/2 ft wide, and mark post "S. T. M. S." (Santa Tomas Mill Site) "No. 1."

No trees or notable objects near.

From the foregoing N.E. cor. I run along N. side of claim N. 87° 30' W.

var. 12° 34' East.

10.00 To N.W. cor. of claim, where I set a post, 4 ft long, 3 in. squared, 1 ft in the ground, and build mound of earth 2 ft high, with 2 pits on the lines of claim 1 ft deep, 3 ft long, 1 1/2 ft wide, and mark post "S. T. M. S. No. 2".
As per lines of Santa Tomas Mining Claim along through an old deserted Indian rancheria.
No trees near.

From the foregoing N.W. cor. of claim, I run along W. end of claim S. 2° 30' W.

var. 12° 34' East.

Descending.
1.50 Dry bed of stream, runs W.
2.00 Bend on opposite side.
5.00 To S.W. cor. of Mill-Site, where I set a post, 4 ft long, 3 in. squared, 1 ft in the ground, with mound of stones 2 ft high, and mark post "S. T. M. S. No. 3" from which
A mesquite 3 in. dia. has N. 5 1/2° E. 81 lbs. dist
A mesquite 3 " " " N. 58 1/2° E. 98 " "
which I mark "S. T. M. S. No. 3"

From the foregoing S.W. cor. I run along S. side of claim S. 87° 30' E.

var. 12° 34' East.

Survey of the Santa Tomas Mill-Site Claim

Situate in Cababi Mining District, Pima Co. Arizona.

Chains Along rocky hill side.

- 1.90 Rocky gulch.
- 7.00 Steep and rocky, descending to the N.
- 8.00 Water hole half a chain to the N.
- 10.00 To S. E. cor. of claim, where I set a post, 14 ft long, 3 in. squared, 1 ft in the ground, with mound of stones 2 ft high and marked post "S. S. M. S. No 14."

Notices near.

From the foregoing S. E. cor. I run along E. end of claim N. 2° 30' East

var. 12° 34' East

- .50 Descend into flat or little valley, bas. W.
 - 2.60 Leave flat and rise on mesa, bas. E. and W.
 - 5.00 To post No. 1. Point of beginning.
- The claim contains 5 acres.

December 23, 1873.

General Description

The water hole is filled by springs in its bottom, which are permanent; it is an old watering place of the Indians.

Wood is rather scarce in the vicinity.

To the W. about 10 chs. are the ruins of some old smelting works, built a number of years ago.

The land covered by the mill-site, shows no evidence whatever of containing minerals.

Theodore H. White

U.S. Deputy Surveyor.

Survey of the Santa Tomas Mining & Mill-Site Claims
 Situate in Cababi Mining District, Pima County, Arizona

Line connecting Mining & Mill-Site Claims.

From the N. cor. of Santa Tomas mining claim, post No. 1. I run a compass line to connect with a corner of the Mill-Site as follows:

Chain		Var. 12° 34' East
6.00	N. 10 1/2° E.	To a point Thence
36.50	N. 10° E.	" "
78.00	N. 24 1/2° W.	" "
55.00	N. 21° W.	" "
57.00	N. 40 1/2° E.	" "
6.00	N. 53° E.	" "
9.86	N. 86° 05' E.	" "
2.00	S. 60° E.	To the S.W. cor. of the Mill-Site, Post No. 3.

This gives a straight line connecting the N. cor. of the mine with the S.W. cor. of the Mill-Site. N. 2° 22' E. 210.99 chs.

Theo. F. White
 U.S. Dep. Surveyor.
 December 23. 1873.

Final Oaths for Surveys of Mining Claims and Mill-Sites.

LIST OF NAMES.

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 Santa Tomas mining and mill site claims located in Cababi mining district, Pima County, Arizona, showing the respective capacities in which they acted.

F. C. Jones Chainman.

J. M. Elliott Chainman.

_____ Axeman.

R. A. Vasquez Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Theodore F. White U. S. Deputy Surveyor, in surveying the Santa Tomas mining and mill site claims claimed by Solomon Warner located in Cababi mining district, Pima County, and in Township No. _____ Range No. _____, of the _____ 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. M. Elliott Chainman.

F. C. Jones Chainman.

_____ Axeman.

R. A. Vasquez Flagman.

Sworn to and subscribed before me this 24th day of December 187 3

William J. Brown
Notary Public



FINAL OATH OF DEPUTY SURVEYOR.

I, Theodore F. White U. S. Deputy Surveyor do solemnly swear that, in pursuance of instructions from John Wasson, U. S. Surveyor-General for Arizona, bearing date the 18 day of December 1873 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 boundaries of the Santa Tomas mining and mill-site claims claimed by Salomon Warner located in Cahabi mining district, Pima County, and in Township No. _____ Range No. _____, of the _____ base and meridian, 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.

Theodore F. White

Deputy Surveyor.

Sworn to and subscribed before me this 24th day
of December 1873

William J. Osborn
Notary Public

U. S. Surveyor Genl's Office
 Tucson, A. T. Dec. 31. 1873.

The foregoing field notes of the surveys of
the Santa Tomas Mining and Hill-Side
Claims situate in Gababi mining
District, Pima Co. A. T. claimed by
Solomon Warner, executed by Thos.
F. White, D. S., under instructions from this
office, having been critically examined
and the necessary corrections and
explanations made, the said field
notes and the surveys they describe
are hereby approved.

Joseph Warner
Surveyor General.