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LOT NO. 44

Field Notes.

of the survey of the

Flora Morrison

Mining Claim

Situate in Tombstone mining district

County of Cochise and in Sec. 11+14, T^p 2d

Range 22, of the Gila and Salt River Meridian.

Arizona.

Claimed by the Flora Morrison Gold and Silver Mining Company.

Survey executed by Theodore F. White D. S.

Under instructions dated February 10, 1881

Survey commenced February 17, 1881

Survey completed February 17, 1881

PRELIMINARY OATHS FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, John Lurnow and John O'Donnell
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.

John Lurnow
John O'Donnell

SWORN AND SUBSCRIBED before me this 15th

day of February 1881.

John P. Faull
Notary Public

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

James Collins

SWORN AND SUBSCRIBED before me this 15th

day of February 1881

John P. Faull
Notary Public

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Flora Morrison Mining Claim

Tombstone Mining District

Cactus County, Arizona

Survey of the Exterior Lines

Before commencing the survey of the Flora Morrison Mining Claim, I compared the Meridian determined by my instrument — a Solar Compass, made by Young & Sons, Philadelphia — with the U. S. Standard Meridian, established in the District. I set my instrument over the point at the north end of said meridian marked by a brass point, set in a stone block and witnessed by a post marked U. S. S. M. just to the left of the road, leading from Tombstone to Charleston etc., as per notes of the establishment of said meridian. I made a careful observation of the Sun, when on Meridian, for latitude; then at a proper time, after the Sun passed the Meridian, I set off the declination for the day and hour; the Meridian then described by my instrument. I found to coincide exactly with the U. S. S. Meridian.

The variation of the north end of the needle of my instrument, as it so stood was $12^{\circ} 15'$ East.

The variation of the needle of the instrument, used in establishing the Standard Meridian was $11^{\circ} 53'$ East, a difference of $22'$; adopting $11^{\circ} 53'$ East as the

Flora Morrison Mining Claim

1st Tombstone Mining District, A.T.

Chs.

Standard variation, I will have to call the 22' "Instrumental error" and allow for it in the survey of the following claim.

I examine the corners of the Flora Morrison claim referring to a copy of the location notice for guidance; I find the corners well marked by monuments; several of the boundary lines of the Flora Morrison coincide with boundary lines of adjoining claims already patented, for which patent has been applied. I find only one place where there is a slight conflict, which is set forth further on.

Commencing at the S. E. corner of the claim which I adopt as the initial point of survey, marked by a stake and mound of stone; and which is also a corner of the Naumkeag Mining Claim, ^{Lot No. 44} marked by a post in a mound of stones; the post marked N. M. C. No. 4 I mark this S. E. cor. of the Flora Morrison by setting a post 5 ft. long 4 x 4 inches square, marked "F. M. M. C. No. 1" 1 ft. in the ground and build a mound of stones around it 2½ ft high. Thence I run along boundary line of Flora Morrison and the north end of the Naumkeag ^{Lot No. 44}
N 71° 38' W. Var. 11° 53' East
(Allowing for the instrumental error as before set forth)

Flora Morrison Mining Claim

Tombstone Mining District A.T.

Chs.

- Descending
 2.00 Ascending
 along N. slope
- 4.54 = 299.64 ft to a stake and mound
 of stones and intended to mark the
 S. centre ~~and~~ monument of the
 claim and which is a corner of
 the Naumkeag marked by a post
 in monument of stones, the post
 marked N.M.C. No. 5. I set at this
 point a post 5 ft. long 4x4 in. sq.
 marked "F.M.M.C. No. 11," 1 ft in the
 ground and build a mound of stones
 around it 2½ ft high. Thence I run
~~line~~ along the S. end ^{line} of claim to
 the S. W. cor. which bears from this
 point.
 N. 68° 44' W. Same variation,
 Along N. E. slope.
- 2.55 Intersect end. line of the Addie
 claim, ^{lot No. 61} 1.38 chs. S. 12° 10' E from a
 post marked "A.M.C. No. 4."
- 3.41 = 225.06 ft. to the S. W. cor. of the
 Flora Morrison claim marked by
 a stake and a mound of stones.
 At this point I set a post 5 ft.
 long, 4x4 in. sq., marked "F. M. M.
 C. No. 111," 1 ft in the ground and
 build around it a mound of stones
 2½ ft high. Thence I run along
 the west boundary of the Flora
 Morrison
 N. 25° 20' E. Same variation,
 Descending N. E. slope.
- 1.18 Intersect end line of Addie claim
 before mentioned 3 lks. N. 12° 10' W.
 from the before-mentioned post mark-
 ed "A.M.C. No. 4." (This end line
 of the Addie according to the mon-

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Flora Morrison Mining Claim.

Lombstone Mining District, A.T.

Chs.

monuments established along it, bears
N. W. & S. E. $12^{\circ}10'$)

9.20 = 607.20 ft. to the intersection with
the end line of the Sulphuret Min-
ing Claim, ^{Lot No. 48} at a cor. of the same.
This is marked by a post 4×4 in
sq. standing 4 ft. out of the
ground, with a mound of stones
around it 2 ft. high; The post
marked "S. M. C. No. 3." As this is a
well-established corner. I mark
another side of the post "F. M. M.
C. No. 14" for a cor. of the Flora Mor-
rison. Thence along the end line
of the Sulphuret, which is a line
of the Flora Morrison I run,
N. $58^{\circ}12'$ E. Same variation.

Descending

2.90 Gulch 5 lks. wide running N. W.
Ascend

7.50 = 495 ft. to a point along this line
66 lks. from the North corner of the
claim in the same direction -
(S. $58^{\circ}12'$ W.) marked by a stake
and mound of stones, which is
also a cor. of the Sulphuret
claim, marked by a post and a
mound of stones, ~~which is also a~~
~~cor. of the Sulphuret claim mark-~~
~~ed by a post in a mound of stones~~
the post marked S. M. C. No. 2.

In order to comply with the law
of Congress, in the matter of mak-
ing the end-lines of the claim
parallel, I have to cut off a small
triangle at the end of the claim,
so I make the above-mentioned
point 66 lks. S. $58^{\circ}12'$ W. from the
original N. end of claim, a corner

Flora Morrison Mining Claim

Tombstone Mining District A.T.

Chs.

of the Flora Morrison, and set a post 5 ft. long, 4x4 in. sq. marked "F. M. M. C. No. V.", 1 ft in the ground and build a mound of stones around it 2½ ft high. Thence I run along N. end of claim parallel with S. end

S. 68° 44' E. Same variation,

Along road from Contentious mine etc. to Tombstone running N. W. & S. E.

0. 87½ = 57.75 ft. to intersection with line of Head Centre Claim ^{Lot No. 38} 72 lks. S. 20° 12' E. from the before-mentioned original N. cor. of Flora Morrison and cor. No. 2 of Sulphur Claim. At this point I set a post 5 ft. long, 4x4 in. sq., marked "F. M. M. C. No. VI." 1 ft. in the ground and build a mound of stones around it 2½ ft. high, for a cor. of the Flora Morrison. Thence I run along line of the Head Centre ^{Lot No. 38}, which is a line of the Flora Morrison S. 20° 12' E. Same variation. Ascending N. Slope

3. 61 = 238.26 ft. to a corner of the Flora Morrison and a corner of the Head Centre, marked for the latter by a post in a mound of stones, the post marked "H. C. M. C. No 3." To mark this point for a cor. of the Flora Morrison I set a post 5 ft. long, 4x4 in. sq., marked "F. M. M. C. No. VII." 1 ft. in the ground and build a mound of stones 2½ ft. high. Thence along S.

Flora Morrison Mining Claim

Tombstone Mining District A.T.

Chs.

0.10 1/2 = end line of Head Centre, ^{Lot No. 38,} which is a line of the Flora Morrison, N. 87° 37' E. Same variation, 6.93 ft. to a cor. of the Flora Morrison, also a cor. of the Head Centre, ^{Lot No. 38,} marked for the latter by a post in a mound of stones, the post being marked "H. C. M. C. No. 2." This is also a point on the west line of the Contention Claim ^{Lot No. 37.} To mark it for a corner of the Flora Morrison, I set a post 5 ft long, 4x4 in. sq., marked "F. M. M. C. No. VIII," 1 ft in the ground and build a mound of stones around it 2 1/2 ft high Thence along the E. side line of the Flora Morrison, which coincides with the W. side line of the Contention ^{Lot No. 37} S. 24° 20' W. Same variation. Ascend N.W. slope,

3.00 Top ascent on line and descend,

5.00 Trail running N. + S.

8.50 Gulch 5 lks. wide running N. Ascend

11.10 1/2 = 732.93 ft to a cor. of the Flora Morrison, marked by a stake and mound of stones. It is also a cor of the Contention Claim ^{Lot No. 37} for which it is marked "C. M. C. No. 4." It is also a corner of the Grand Central, ^{Lot No. 42} for which it is marked "G. C. M. C. No. 6." At this point I set a post 5 ft high, 4x4 in. sq. marked "F. M. M. C. No. IX," for a corner of the Flora Morrison Mining Claim. Thence continuing along E. side line

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Flora Morrison Mining Claim.

Tomahawk Mining District A.T.

of Flora Morrison claim and along W.
line of Grand Central Lot No. 42
S. 21° 45' W. Same variation

1.26 = 83.16 ft To the place of beginning.

This claim contains $10 \frac{113}{1000}$ acres,
including conflict with Addie claim of $\frac{0.51}{1000}$ ac.
From the S. W. cor. of the Flora Morrison,
where the post is marked "F. M. M. Co. No. 111"
U.S. Mineral Monument No. 1 bears S. 19°
04' W. and is 12.94 chs. distant from said cor.

Description of work done on claim

From cor. No. 4 of Flora Morrison a
shaft bears S. 55° 30' E 4.69 chs. distant.
This shaft is about 4x6 ft. in dimension
and is 110 ft. deep. From the bottom there is
a cross cut running S. E. 120 ft. — From
cor. No. 9 of the Flora Morrison a shaft bears
N. 21½° W. 26 lks. distant. This shaft is 4x6 ft
in dimension and 15 ft. deep

Comparison of bearings of lines common to
adjoining claims — From cor. No. 1 (of Flora
Morrison) to cor. No. 2 the line coincides with
a line of the Kaumkeag claim, ^{Lot No. 44} and the bearings
are the same, viz. N. 71° 38' W. — From cor. No.
4 to No. 5 the line coincides with a line of the
Sulphur claim, ^{Lot No. 48} the bearing of this is N. 58°
12' E In the field-notes of the Sulphur
it is given as N. 58° 15' E, a difference
of 3'

From cor. No. 6 to cor. No. 7 the line coin-
cides with a line of the Broad Centre
I make the bearing of this line to
be S. 20° 12' E. In the field-notes of
Broad Centre, ^{Lot No. 38} it is given as S. 20°
19' E. a difference of 7'

Flora Morrison Mining Claim

Lombstone Mining District N.Y.

From cor. No. 7 to cor. No. 8 the line coincides with a line of the Road Centre. I make the bearing of this line to be $N. 87^{\circ} 37' E$. In the field-notes of the Road Centre, ^{Lot No. 38} it is given as N.E. or S.W. $87^{\circ} 26'$ a difference of 11'. This line is very short and the difference is of no consequence.

From cor. No. 8 to cor. No. 9 the line coincides with a line of the Convention. I make the bearing of this line to be $S. 24^{\circ} 20' W$. In the field-notes of the Convention claim, ^{Lot No. 37} the bearing is given as $S. 24^{\circ} 18' W$, a difference of 2'.

From cor. No. 9 to cor. No. 1 the line coincides with a line of the Grand Central. I make the bearing of this line to be $S. 21^{\circ} 45' W$. The bearing given in the field-notes of the Grand Central, ^{Lot No. 42} is S.W. or N.E. $20^{\circ} 30'$ a difference of 45'.

All of the above differences, except the last, are slight and are to be accounted for by differences in the reading of different instruments, diurnal change in variation and different variations used. The last difference 45' is large, but the corners marking the lines are well established and well authenticated. This line of the Flora Morrison is

Flora Morrison Mining Claim

Tombstone Mining District A.T.

short however and supposing
~~and supposing~~ both bearings are
 from the same meridian, the
 difference of $45'$ would make a
 difference of about one foot lat-
 erally in the length of the line.

All the bearings of the lines I
 run are from the absolute Merid-
 ian as determined by the Solar
 Compass, which agrees with the
 U. S. Standard Meridian as
 before shown, and are entirely
 independent of the vagaries of
 the magnetic needle. Most, if
 not all of the lines of the adjoin-
 ing claims to the Flora Morri-
 son were run, I think before
 the establishment of the Standard
 Meridian and were probably
 run with magnetic instru-
 ments.

Conflicts with the Addie Min-
 ing Claim — There is a
 slight conflict shown in the for-
 going field-notes with the Addie
 Claim. The surface included by
 the conflicting lines is a small
 triangular space, of which the
 boundaries are; — Commencing
 at Cor. No. 111 of the Flora Morri-
 son, $N. 25^{\circ} 20' E. 1.18$ chs.; thence
 $S. 12^{\circ} 10' E. 1.41$ chs.; thence $N. 68^{\circ}$
 $44' W. 0.86$ chs. to place of begin-
 ning. The triangle has an area
 of ^{0.51} 1.00 acres.

Note; The bearing of the end line of
 the Addie is given in the field-notes
 of this claim as $S. 12^{\circ} 30' E.$ but

Flora Morrison Mining Claim

Tombstone Mining District A.T.

The monuments established on it mark a line which bears as above, S. 12° 10' E.

General Description etc.

The Flora Morrison Mining Claim is situated in the Tombstone Mining District, Cochise County, Arizona Territory.

The surface of the Flora Morrison Claim is very hilly, with very little vegetation - no timber. It adjoins some of the most prominent claims of the District. The work done on the claim as described in foregoing notes, amounts to much more than five hundred dollars.

February 17th 1881

Frederic H. White
U.S. Deputy Surveyor

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 Flora Morrison Mining Claim located in Tombstone Mining District, Cochise County, Arizona, showing the respective capacities in which they acted.

John Curran Chainman.
John Osannell Chainman.
James Collins Axeman.
Flagman.

WE hereby certify that we assisted Theodore F. White U. S. Deputy Surveyor, in surveying the Flora Morrison Mining Claim claimed by the Flora Morrison & Co. S. Mining Co., located in Tombstone Mining District, Cochise 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.

John Curran Chainman.
John Osannell Chainman.
James Collins Axeman.
Flagman.

SWORN TO AND SUBSCRIBED before me this 1st day of February 1881, John R. Faurell Notary Public.

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 10th day of February 1881, 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 Flora Morrison Mining Claim claimed by the Flora Morrison & Co. S. Mining Co., located in Tombstone Mining District, Cochise 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.

Theodore F. White Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 17th day of February 1881. John R. Faurell Notary Public.





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Floora Mena



F. Mena
1914

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AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, R. H. Upton and R. H. Cavell

of lawful age, being first duly sworn according to law, depose and say that we are acquainted with the Flora Morrison

Tombstone mining claim, situate in

Cochise Mining District, Cochise County, Arizona

Territory, for which the Flora Morrison & Sons Mining Co.

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.

R. H. Upton
R. H. Cavell

TERRITORY OF ARIZONA, }
County of Cochise } SS.

SWORN AND SUBSCRIBED before me this 17th
day of February 1881.

John R. Cavell
Notary Public.

"Flora Morrison"

Notice of Location. The undersigned by virtue of and in accordance with an act of Congress approved May 10, 1872 do hereby locate a claim of "1500" feet in length on this lode or vein of gold and silver bearing quartz. Commencing at a monument of rock where a copy of this notice is placed and running 750 feet north westerly and seven hundred and fifty feet southwardly with 300 feet on each side of the lode. Said mine is located in the Tombstone Dist. Pima Co. Arizona and bears North west from the Centre monument of the Grand Central mine and about 1000 feet distant there from and shall be known as the Flora Morrison. - Located May 13th 1878.

William Morrison
Chas H. Fisher
H. L. Hart.

Witness

M. A. Sweeney
Oliver Boyer

Filed and recorded at request of W^m Morrison
May 24th A. D. 1878 at 9 o'clock P. M.

J. W. Carpenter
County Recorder.

TERRITORY OF ARIZONA, } ss.
 County of Pima.

I, Chas. R. Drake, 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 Flora Morrison Mine situate in the Tombstone Mining District

as appears of Record now in my Office in Book 2 Pages 66 Records of Mines

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Tucson this Eighth day of February A. D. 1881.

Chas. R. Drake

County Recorder,



U. S. Surveyor General's Office.

Tucson, Arizona, *April 19,* 1881.

The foregoing field notes of the survey of the *Flora Morrison* Mining Claim situate in the *Tombstone* Mining District, *Cochise* County, Arizona, claimed by *the Flora Morrison Gold and Silver Mining Co;* survey executed by *Theodore J. White* 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 Messers.

Surveyor General.

$$\begin{array}{r} 25020 \\ 58044 \\ \hline 19044 \\ 8056 \\ \hline 4014 \end{array}$$

$$\begin{array}{r} 104092 \\ 42052 \\ \hline 52092 \end{array}$$

$$\begin{array}{r} 1000 \\ 600 \\ \hline 400 \end{array}$$

$$\begin{array}{r} 1000 \\ 600 \\ \hline 400 \end{array}$$

$$\begin{array}{r} 25020 \\ 58044 \\ \hline 19044 \\ 8056 \\ \hline 4014 \end{array}$$

NW 12° 10' 9.20
 NE 25° 20' 9.20

NW 68° 44' 3.41
 NW 71° 38' 4.571
 N.W. 71° 38' 4.571
 N.E. 58° 21' 7.50 chs

Area 10 $\frac{113}{1000}$ a.
 Flora III
 Shaft

NW 24° 20' 11.10 $\frac{1}{2}$ chs

NW 21° 12' shaft
 IX
 126
 9.6.7

Head Centre
 198° 21.03 38'

VII VIII
 N.E. 87° 34' 0.10 $\frac{1}{2}$ lbs

$$\begin{array}{r} 8.16 \\ 66 \\ \hline 7.50 \end{array}$$

$$\begin{array}{r} 66 \\ 148853 \\ \hline 2187 \end{array}$$

$$\begin{array}{r} 19.8 \\ 46.4 \\ \hline 66.2 \end{array}$$

Continuation

Sketch

$$\begin{array}{r} 41.54 \\ 22.24 \\ \hline 29.30 \end{array}$$

$$\begin{array}{r} 8.41 \\ 2.86 \\ \hline 5.55 \\ 3.47 \\ \hline 20.46 \\ 20.46 \\ \hline 22070 \end{array}$$

$$\begin{array}{r}
 87.5 \\
 66 \\
 \hline
 5250 \\
 5250 \\
 \hline
 57750
 \end{array}$$

$$\begin{array}{r}
 1.26 \\
 1813 \\
 \hline
 348 \\
 126 \\
 \hline
 101638 \\
 66 \\
 \hline
 99 \\
 94 \\
 94 \\
 \hline
 190
 \end{array}$$

0/3

$$\begin{array}{r}
 1005 \\
 48 \\
 \hline
 1053
 \end{array}$$

$$\begin{array}{r}
 908 \\
 28.4 \\
 \hline
 936.4
 \end{array}$$

$$\begin{array}{r}
 866 \\
 516 \\
 \hline
 56.76
 \end{array}$$

$$\begin{array}{r}
 4350 \\
 2211792 \\
 217800 \\
 \hline
 337920
 \end{array}$$

$$\begin{array}{r}
 0.00588 \\
 057 \\
 \hline
 1000
 \end{array}$$