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LOT NO. 21

Field Notes.

of the survey of the

North Extension of the Sulphuret
Mining Claim

Situate in Tombstone mining district

County of Cochise and in Sec. 10, T_p 20

Range 22, of the Gila and Salt River Meridian.

Arizona.

Claimed by The Grand Gold and Silver
Mining Company.

Survey executed by Theodor F. White D. S.

Under instructions dated February 10. 1881.

Survey commenced March 5, 1881.

Survey completed March 5. 1881.

PRELIMINARY OATHS FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, James Collins 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.

James Collins
John O'Donnell

SWORN AND SUBSCRIBED before me this 3rd
day of March 1881

John R. Faull
Notary Public

I, Henry Deickhoff
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.

Henry Deickhoff

SWORN AND SUBSCRIBED before me this 3rd
day of March 1881

John R. Faull
Notary Public

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North Extension of the Sulphuret Mining Claim

Tombstone Mining District

Cochise County, Arizona

Survey of the Exterior Lines

Before commencing the survey of the exterior lines of this claim I compare the meridian determined by my instrument, — a Solar Compass made by Young & Sons of 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." etc. as per notes of the establishment of said meridian. I took an observation for latitude and at a proper time set off the declination and found the meridian described by my instrument to coincide exactly with the U. S. Standard Meridian. The variation 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 meridian was $11^{\circ}53'$ East, a difference of $22'$ which adopting $11^{\circ}53'$ East as the Standard variation, must in my instrument be called "instrumental error" and allowance made for it in the following survey

I examine the corners of the North Extension of the Sulphuret

North Extension Sulphuret Mining Claim

Tombstone Mining District A.T.

Chs.

Mining Claim, referring to a copy of the location notice and find the ground therein described and located essentially as indicated in said notice. Commencing at the S.E. cor. of the claim, which is also a cor. of the Sulphuret Mining Claim, ^{Lot No. 48,} and marked for the latter by a post in a mound of stones, the post marked "S. M. C. No. 6." It is also a cor. of the "Toughnut 1st South Extension" of the Toughnut.

To mark this point for a corner of the N. Ext. of the Sulphuret, I set a post 5 ft. long 4x4 in. sq. marked "N. Ex. S. M. C. No. 1."

Thence along N. E. boundary, or what I will style N. E. end of claim, which is also a line of the Toughnut 1st S. Ext. of the Toughnut N. 64° 26' W. Variation 11° 53' East (Allowing for "instrumental-error" as above set forth)

Descend steeply.

$3.88\frac{1}{2} = 256.41$ ft to a cor. of the claim.

It is also a cor. of the Toughnut claim, ^{Lot No. 41} for which it is marked "S. M. C. No. 3." It is also a corner of the Toughnut 1st South Extension ^{of the Toughnut} Claim. To mark it for a cor. of the North Extension of the Sulphuret Claim, I set a post 5 ft. long 4x4 in. sq. marked "N. Ex. S. M. C. No. 11" 1 ft in the ground and build around it a mound of stones 2½ ft high. Thence along a line of the claim

S. 48° 26' E. Same variation

Ascend steeply up gulch

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North Extension Sulphuret Mining Claim

Tombstone Mining District A.T.

chs.

1.49½ = 98.67 ft to a cor. of the claim also a cor. of a claim called the "Survey"
 Set a post 5 ft long 4x4 in sq. marked "N. Ex. S. M. C. No. 111" 1 ft in the ground and build around it a mound of stones 2½ ft high. Thence along N.W. line of the claim which coincides with the S.E. boundary of the Survey and West Side claims

S. 42° 57' W. Same variation
 ascend steeply

3.00 Top of ascent on line and descend W. slope

6.70 = 445.50 ft to a point on the boundary of claim 19½ lks in same direction - (N. 42° 57' E) from the original cor. of the North Extension of Sulphuret, also the N.W. cor. No 5 of the Sulphuret claim, ^{Lot No. 48,} marked for the latter by a post in mound of stones, the post marked S. M. C. No. 5 In order to comply with the law of Congress in the matter of making the end-lines of the claim parallel I have to cut off a small triangle at this point therefore at the above mentioned point, 19½ lks. N. 42° 57' E. from the original N.W. cor. of the claim etc. I set a post 5 ft. long 4x4 in. sq. marked "N. Ex. S. M. C. No 111" 1 ft in the ground and build around it a mound of stones 2½ ft high for a cor. of the North Extension of Sulphuret Mining Claim. Thence along S.W. end-line parallel with the N.E. end line I run

S. 64° 26' E

0.06½ = 4.29 ft to intersection with N.W. end line of Sulphuret Claim and 22½ lks. N. 58° 12' E. from the before mentioned N.W. cor. of the Sulphuret where the post is marked "S. M. C. No. 5." At this point of intersection, I set a post 5 ft long 4x4 in. sq. marked "N. Ex. S. M. C. No 111" 1 ft in the ground and build around it a mound of stones 2½ ft high, for a cor. of the North Extension of Sulphuret

North Extension Sulphuret Mining Claim

chs.

Tombstone Mining District A.T.

Mining Claim. Thence along
South East boundary of claim
which coincides with the North
west end-line of Sulphuret
Mining Claim Lot No. 48N. $58^{\circ}12'E$ same variation

Ascending

4.00 Ascend less steeply

 $8.13\frac{1}{4} = 536.74$ ft to place of beginningThis claim contains $\frac{848}{1000}$ acresFrom the S.E. cor. of the claim where
the post is marked "N. Ex. S. M. C.
No. 1" U.S. Mineral Monument No. 1 bears
S. $52^{\circ}7'W$ and is 44.56 chs. distantDescription of work done on
ClaimFrom cor. No. 3 a shaft bears
N. $7\frac{1}{2}^{\circ}W$. ~~distant~~. This shaft
is 5×6 ft in dimension and
50 ft deepImmediately east of this
corner is also a cut in the rock 15
ft in length with tunnel at the end
10 ft, making 25 ft all in solid
rockNote: The S.E. line of the claim be-
tween corners No 5 and No 1 coincides
with the N.W. end-line of the Sul-
phuret the only adjoining claim
which has been surveyed for patent
The bearing of this line I make to be
N. $58^{\circ}12'E$. In the field notes of the
Sulphuret it is given as
N. $58^{\circ}15'E$, a difference of
3'. This is slight.

I found the same difference in the survey

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North Extension Sulphuret Mining Claim

chs. Tombstone Mining District A.T.

of the Flora Morrison which ad-
joins the S. E. end of the Sulphur-
et.

General Description etc.

The North Extension of the Sul-
phuret Mining Claim is situ-
ated in the Tombstone Mining
District Cochise County
Arizona Territory

The surface of the claim
is hilly and rocky, with little
vegetation - no timber. It lies
in the immediate vicinity of
the celebrated Toughnut Mine

The work done on the claim, as
above described is fully equal
in value to five hundred dollars.

March 5, 1881.

Theodore F. White
U.S. Deputy Surveyor

North Ext. Sulphuret

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 North Extension of the Sulphuret Mining Claim located in Doublstone Mining District, Cochise County, Arizona, showing the respective capacities in which they acted.

James Collins Chainman.
John O'Connell Chainman.
Henry Dickhoff Axeman.
Henry Dickhoff Flagman.

WE hereby certify that we assisted Theodore F. White, U. S. Deputy Surveyor, in surveying the North Extension of the Sulphuret Mining Claim claimed by the Grand S. and S. Mining Company located in Doublstone 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.

James Collins Chainman.
John O'Connell Chainman.
Henry Dickhoff Axeman.
Henry Dickhoff Flagman.

SWORN TO AND SUBSCRIBED before me this 9th day of March 1881.
John R. Faull
Notary Public

I, Theo. 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 North Extension of the Sulphuret Mining Claim claimed by the Grand S. and S. Mining Co. located in Doublstone 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 12th day of March 1881.
John R. Faull
Notary Public

AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, Elmer S. Daniels and R. H. Cavell

of lawful age, being first duly sworn according to law, depose and say that we are acquainted with the the North Extension of the Sulphur mining claim, situate in Schubert Mining District, Cochise County, Arizona Territory, for which the Grand G. & S. 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.

Elmer S. Daniels
R. H. Cavell

TERRITORY OF ARIZONA, }
County of Cochise } SS.

SWORN AND SUBSCRIBED before me this 5th day of March 1881.

John R. Faull
Notary Public

N. Ext. of Sulphurct.

I the undersigned by virtue of the Congressional Law of May 10. 1872, have this day located and claim this silver bearing quartz ledge or lode and mining claim, commencing at the North East corner monument of the Sulphurct, being distant easterly from the monument on which this notice is placed, 115 feet more or less; thence Northwesterly along the Western boundary line of the Tough Nut Extension. 250 feet more or less to the N. W. corner of said Tough Nut Extension; thence South easterly along the Northern boundary of the survey, 75 feet more or less to the North West corner of the survey; thence Southerly along the Eastern boundaries of the survey, and west side 500 feet more or less to the N. W. corner monument of the Sulphurct being the point where said corner intersects said eastern boundary of the West side; thence North easterly along the Northern boundary of the Sulphurct 600 feet or less, to the point of beginning, claiming all the privileges granted by the laws of Congress, Territory and District, Dated on the ground, in Tombstone District, Pima Co, Arizona Territory, this 20th day of January 1879. To be known as the North Extension of the Sulphurct.

Witness }
W. C. Parsons }

R. A. Meton.

Filed and recorded at request of W. C. Parsons
Feb. 15. 1879. at 10⁴⁵ A.M.

J. W. Carpenter, County Recorder
By W. A. W. Demott Deputy County Recorder

Territory of Arizona }
County of Pima } ss.

I, Sidney W. 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 Location Notice of the N. E. 1/4 of Sulphur
mine as appears of record now in my office in Book
I pages 4B. 44. & 45 of Records of Mines.

In witness whereof I have hereunto set my hand
and affixed my official seal at my office in Tucson
this eleventh day of November A. D. 1880

Sidney W. Carpenter County Recorder
By W. H. Reed Deputy

U. S. Surveyor General's Office.

Tucson, Arizona, *April 16,* 1881

The foregoing field notes of the survey of the *North Extension*
of the *Moffhurst Mining Claim* situate in
the *Tombstone* Mining District, *Cochise*
County, Arizona, claimed by *The Grand Gold and*
Silver Mining Company;
survey executed by *Theodore S. 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 H. Brown

Surveyor General.