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LOT NO. 122.

Survey No. 357

Field Notes

of the survey of the

Knowville

Mining Claim

Situate in

Tombstone

mining district,

County of

Cochise

and in Sec.

, Tp

20 S.

Range

22 E.

, of the Gila and Salt River Meridian.

Arizona.

Claimed by

The Boston and Arizona
Smelting and Reduction Co.

Survey executed by

H. G. Howe

D. S.

Under instructions dated

February 11th

1882

Survey commenced

February 15th

1882

Survey completed

March 24th

1882

PRELIMINARY OATHS

FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, *George S Rice*, and *J. J. Trull*,

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.

George S Rice
J. J. Trull

SWORN to and subscribed before me, this *16th* day
of *February* 188*2*

H. G. Howe,

Notary Public,

I,

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

SWORN to and subscribed before me this day

of, 188.....

Field notes of Survey of the Knoxville Mining Claim

Tombstone Mining District.
Cochise County,
Arizona Territory.

Survey commenced Feb 15th/82
Survey completed March 24th/82

By comparison with the U.S. Standard Meridian established for Tombstone Mining District, I find the variation of my instrument to be $11^{\circ}25'$ East.

Feet. I commence at the initial monument of the claim where I find a 1 inch round iron, 8 inches long sunk in the ledge on the south side of a cut leading to a tunnel. This iron pin has been placed in center of original initial monument and directly beneath where it original by stood.

I run a preliminary line through the center of claim and find the bearing to be $S73^{\circ}54'E$ and $N73^{\circ}54'W$

I measure along the center line of claim. $N73^{\circ}54'W$.

var $11^{\circ}25'$ East.

And find the west center end monument to be

761.5 distant from the initial monument and the Location Notice calls for 750 ft. Therefore at 750 ft. I set Post 5 ft long 4 ins sq. in a monument of stones marking the West center end of claim.

I then commence at the initial monument, and it being impossible to build a monument around it I set a Post 5 ft long 4 ins sq. in a

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Field notes of survey of the Knoxville Mining Claim

Tombstone Mining District,
Cochise County,
Arizona Territory.

Feet.

monument of stone 3 1/2 ft high, marked
N.C.I.M. Knoxville M.C. No. 1. - $516^{\circ}06'W$
7.5 ft from initial monument.

Thence $573^{\circ}54'E$.

Var $11^{\circ}25'$ East.

- 7.5 To face of tunnel 5 x 7 ft. 70 ft long in ore
center line of which bears $573^{\circ}54'E$.
120. Front of Platform No 5. extends 50 ft north
130. A shaft. 4 x 6 ft. 160 ft. deep 5 ft. to right of line
243. A shaft. 4 x 6 ft. 40 ft. deep 4 ft. to right of line
- 727.8 To East center end monument
where I set post 5 ft. long 4 ins. sqx.
1 ft. in ground, and build around it
a monument of stone 3 ft. high, marked
K.M.C. No. 2.

From which U.S.M.M. No 2 bears
 $N 25^{\circ}24'E$, 2098. ft distant.

And cor to sec's 1, 2, 3, 4, 35, 36 on the
North Boundary T. 20. S. R. 27. E. G. 34 S. R.
M. bears $N 19^{\circ}38'E$, 14583. ft. distant.

Thence $516^{\circ}06'W$

Var $11^{\circ}25'$ East.

- Along the east end line of claim
- 202.7 Intersect south line of Merry Christ-
mas Mining Claim. $N 73^{\circ}51'W$, 45 ft -
distant from 4 x 4 ins post marked
M.C. M.C. No. 1.
300. To the South east corner of claim
where I set Post 5 ft. long. 4 ins sqx.
1 ft in ground and build around it
a monument of stone 3 ft high, marked
K.M.C. No. 3.

Thence $N 73^{\circ}54'W$.

Var $11^{\circ}25'$ East.

Along the south west line of claim.

Field Notes of Survey of the Knoxville Mining Claim

Tombstone Mining District.
Cochise County, Arizona, T.Y.

Feet.

766.5 Intersect the north east end line of the Contact mining claim, $S5^{\circ}37'8''$ and 226 ft. from the North east corner of claim.

1391. Intersect the north west side line of Contact mining claim $S85^{\circ}48'W$ 582.5 ft. from the North east corner,

1477.5 To South west corner corner, where I set post 5 ft. long. 4 ins sqx and build around it a monument of Stone 3 ft. high marked K.M.C. No. 4. -
Thence $N16^{\circ}06'8''$.

Var $11^{\circ}25'$ East.

214.7 Along the West End line of claim Intersect south east side line of Lucknow Mining Claim Lot No 56. at a point. $N46^{\circ}05'E$ 174.2 ft. from post marked L.M.C. No. 2.

300. To West center end of claim a post 5 ft. long. 4 ins sqx. in monument of Stone marked K.M.C. No. 5.

600. To North west cor of claim. where I set post 5 ft. long. 4 ins. sqx. 1 ft in ground and build around it a monument of stone. 3 ft high, marked K.M.C. No. 6.

Thence $S73^{\circ}48'8''$.

Var $11^{\circ}25'$ East.

Along the north east side line of claim.

881.5 Intersect South east side line Lucknow M.C. Lot. 56. $N46^{\circ}05'E$ 617.3 ft. from Post marked L.M.C. No. 2.

Thence along south side line of Longfellow Mining claim.

959.9 Intersect West End line Merry

Field Notes of Survey of the Knoxville Mining Claim.

Foot. Substone Mining District.
 Cochise County, A.T.

Christmas Mining Claim Lot No 119 - at a point $S4^{\circ}03'W$ 63 ft distant from Post marked M.C. No IV
1411.9 Intersect west end line Prompter mining claim $S3^{\circ}25'W$ 74.3 ft from a 2x2" stake marked Prompter and a 4x4" post, marked, M.C. No. III.

1477.5 To the north east corner of claim, where I set post 5 ft long, 4 ins. sqx, 1 ft. in ground and build around it a monument of stone, marked T.M.C. No 7.

thence $S16^{\circ}06'W$
 or $N11^{\circ}25'E$ east.

296.7 To post No 2 and place of beginning the Survey of exterior boundary, which point is on the west end line of the Prompter mining claim. ^(not surveyed) The initial monument of which bears $N3^{\circ}25'E$ 89.7 ft. distant and the south west corner of Prompter and S.E. cor Merry Christmas Post No 1. bears $S3^{\circ}25'W$ 206.7 ft. distant.

Containing 20.28 Acres

- Area in conflict with Merry Christmas. 5.374 Acres.
- Area in conflict with Contact Mining Claim 1.51 Acres.
- Area in conflict with Lucknow M.C. Lot No 56. - .98 Acres.
- Area in conflict with the Prompter (not surveyed) .28 Acres.

Field notes of Survey of the Knoxville Mining Claim

Tract.

Tombstone Mining District.
Cochise County,
Arizona Territory.

The areas or conflicts claimed
are 1st with the Merry Christmas
M. C. Lot No. 119.

2nd The conflict with the Pom
pter mining claim.

The conflicts not claimed are

1 st the Contact of	1.51 Acres.
2 nd the Lucknow Lot No 56.	.98 Acres.
3 rd	2.49 Acres.

Total so Acres.	30.28
Less	2.49
Leaves	<u>17.79 Acres</u>

As the amount claimed.

Note. In the conflict with the Lucknow Lot No 56. I carefully adjust my transit and run the line from stake No 2 L.M. C. No 2 to L.M. C. No 3, and find the line to bear N46° 05' E.

In the conflict with the Merry Christmas I find the bearings and measurements so different from official notes that I give the bearings and distances as I found them. by making a double survey: viz testing the lines twice each. lines measured with a steel tape and first class chainmen.

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Field notes of Survey of the Knopville Mining Claims.

Tombstone Mining District.
Cochise County,
Arizona Territory.

General Description.

The Knopville Mining Claims
Tombstone Mining District
Cochise County, Arizona.

Is south westerly from Tombstone
about $1\frac{1}{2}$ miles and on the 12th
range of hills south of Lucky Cuss
Hill and near the top.

The surface is rough and rolling,
and partially covered with low
brush.

The exterior lines of this claim
cut into several claims, show-
ing conflicts with the contact and
Lucknow Mining claims, which
conflicts are not claimed.

The conflicts with the Merry
Christmas and Prompter min-
ing claims are both claimed.

The work done upon this claim
consists of a Tunnel, two shafts
and Road as shown on Plat and
fully described in the above Field
Notes.

And I hereby certify that the
work done and improvements
made upon this claim by
the present owners or their gran-
tors exceed in value the
sum of Five Hundred Dollars.

A. G. Howe,
U. S. Deputy Surveyor of
Mineral Lands.

The Knoxville

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Tombstone District, Pima Co. May 6th 1878.

Notice is hereby given that the undersigned has this day located and claimed fifteen hundred feet on this mineral bearing ledge, bound and described as follows:

Commencing at the monument on which this notice is placed and running 750 Seven hundred and fifty feet in an Easterly direction to a monument of stones, on the line of the ledge; Also Commencing at this monument, containing this notice and running Seven hundred and fifty (750) feet in a westerly direction to a monument of stones, on the line of the ledge.

I also claim three hundred feet on each side of the center of the ledge; and all the rights and privileges granted to locators

TERRITORY OF ARIZONA, }
COUNTY OF COCHISE. } ss.

I, H. T. JONES, County Recorder in and for the County of Cochise, do hereby certify that the above and foregoing is a full, true and correct copy of A paper containing purporting to be the Notice of Location of the "Knowville" mine as appears of record now in my office in Book 3, Page 750 of Volume 1 Transcribed Records Cochise Co.



I N W I T N E S S W H E R E O F, I have hereunto set my

hand, and affixed my official seal, at my office in Tombstone this 10th day of Feb A. D. 1881.

H T Jones
County Recorder.

of mining Claims by the Federal Congress

This claim is located one mile or
thereabouts south west of the claim known
as the Lucy Cuss, in Tombstone District,
Pima Co., A.T. This claim to be known as
the Knoxville

R. C. Jacobs
Locator

Geo. Rufenstahl, Witness:

J. E. Rawlins, Witness:

Filed and recorded at request of R. C.
Jacobs May 23rd 1878 at 3 o'clock p.m.

S. W. Carpenter

County Recorder

Book 3 mines page 750-

Transcribed Records of Cochise Co., A.T.

FINAL OATHS FOR SURVEYS OF MINING CLAIMS & 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 Knowville, Mining Claims located in Tombstone, Mining District, Cochise County, Arizona, showing the respective capacities in which they acted

Geo. J. Rice Chainman.
T. J. Trull Chainman.
Axeman.
Flagman.

WE hereby certify that we assisted H. G. Howe U. S. Deputy Surveyor, in surveying the Knowville Mining Claims and lines in conflict, claimed by the Boston and Arizona Smelting and Reduction Company located in Tombstone, Mining District, Cochise County, and in Township No. 20. S Range No. 21. E 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.

George J. Rice Chainman.
T. J. Trull Chainman.
Axeman.
Flagman.

SWORN TO AND SUBSCRIBED before me this 24th day of March 1882,



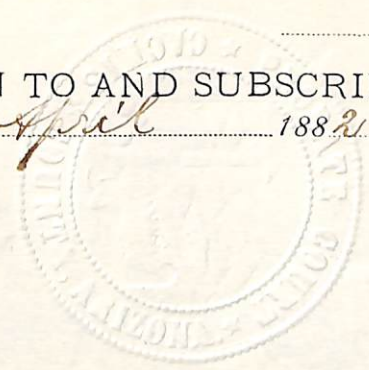
H. G. Howe
Notary Public,

I, H. G. Howe U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from the U. S. Surveyor-General for Arizona, bearing date the 11th day of Feb^{ry} and 16th day of March 1882, 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 Knowville, claimed by Boston and Arizona Smelting and Reduction Company 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.

H. G. Howe Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 1st day of April 1882



J. Adams
Probate Judge

AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, *J. J. Trull,* and *J. P. Wells,*
of lawful age, being first duly sworn according to law, depose and say that we are acquainted with the
Knopville, —

mining claim, situate in
Tombstone; Mining District, *Cochise* County, Arizona
Territory, for which *Boston and Arizona Smelting & Reduction Company.*
have 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 appli-
cants and *their* grantors exceeds Five Hundred Dollars in value, and further that we are not per-
sonally interested in said mine.

J. J. Trull
J. P. Wells

TERRITORY OF ARIZONA,

County of *Cochise,*

} SS.

SWORN AND SUBSCRIBED before me, this

*20th*day of *February*, 188*2*.*A. G. Howe,*

Notary Public.



Lucknow M.C. Lot No 56.

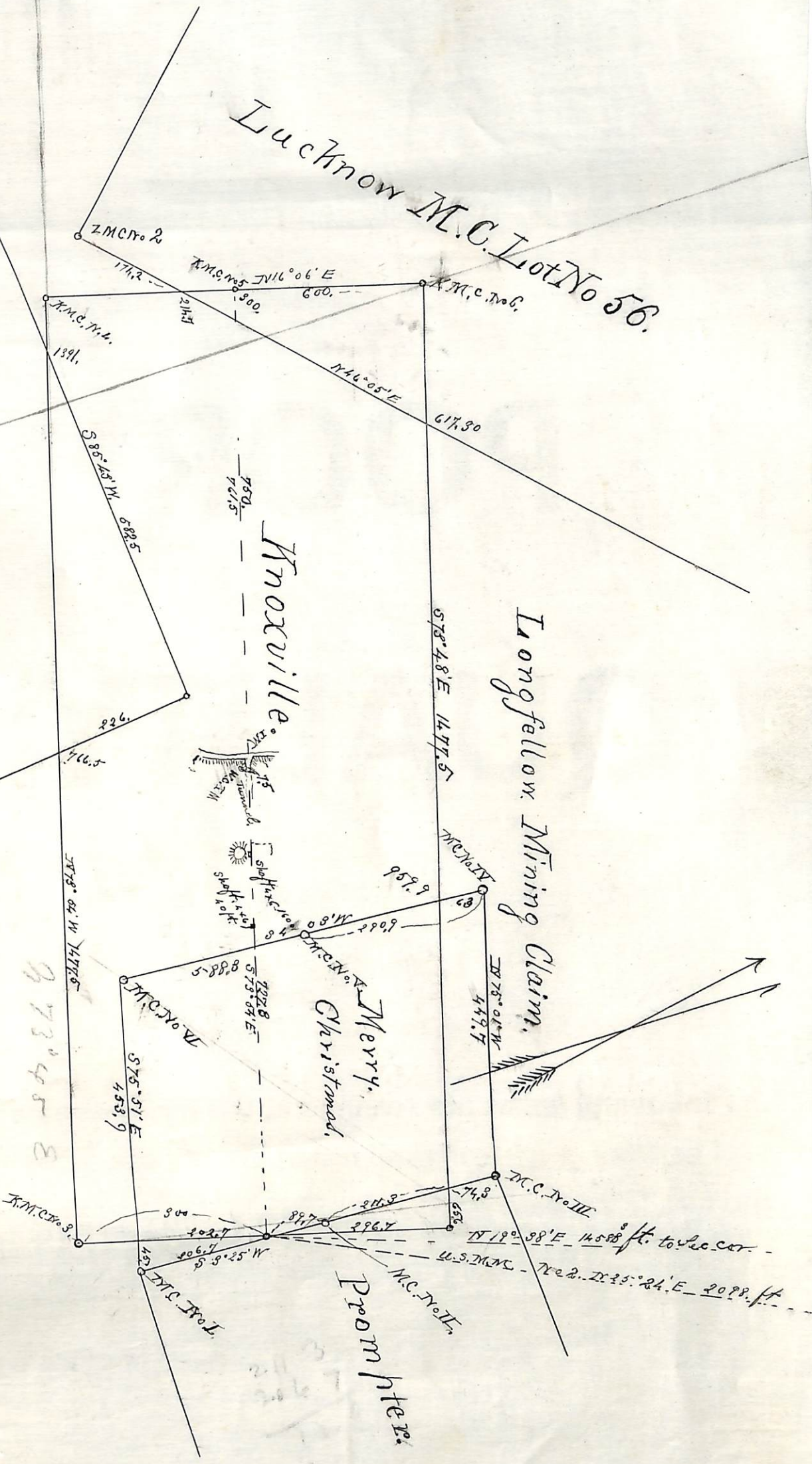
Contact.

Longfellow Mining Claim.

Inoxville

Merry, Christmad.

Poom hter.



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U. S. Surveyor General's Office
Tucson, Arizona. March 16th 1882.

H. G. Howe Esq.
U. S. Dep. Min. Sur.
Tombstone, Arizona.

Sir:

The field notes of the survey of the Knoxville Mining claim are herewith returned.

Upon examination it is found that the claim conflicts with the Merry Christmas Lot No. 119. which conflict must be shown.

For your guidance I enclose plat giving bearings and distances of Merry Christmas Mining Claim.

In your field-notes you neglect to state if the conflicts with the Lucknow, Prompter and Contact are claimed by the claimants of the Knoxville or not.

Very Respectfully

John Masson

U. S. Surveyor General

Tombstone March 31st
1882

Hon John Nasson,

U. S. Surveyor General.

Sir:

Enclosed with this letter please find Plat of Survey of Merry Christmas Mining Claim as I find the stakes and monuments.

The side lines, 1st from post No III to No IV the distance given me on plat is 470. ft while the actual distance carefully measured gives the distance at 449.7 ft.

The line from Post No VI to Post No I. - Distance given to me is 470. ft. while the measured distance gives the line at 453.9 ft in length.

The red lines show the position of the original corners of the Merry Christmas Mining Claim.

By reference to surveys made July 10th 1880, I find two of the monuments with the stakes fully described, and the same stakes were standing on the old line (Red line) the 1st of Last November, and one of the stakes is now standing; I have been instructed in all Official Surveys to be very careful not to go outside of the original

R.

Stakes and monuments 1st placed or put up by the original locator, and if there is any doubt or question to take testimony, and from this evidence determine where the corners were 1st placed.

I was very much surprised when I went upon the ground to survey the Knoxville to see the new stakes marked M.X. as: and I took no notice of them in a preliminary survey of last November. And in the official survey I did not think that the Merry Christmas had been officially surveyed, for the monuments are very small and posts can be easily removed, the monuments cannot stand for all time, nor for any length of time. I am sorry to state this but they are the facts. In this survey I had for chainmen Geo S. Rice, a Civil Engineer for six years in charge of the water works at Boston and Mr Trull, who was his assistant there; was also his assistant in the measurement of the lines of the Knoxville and Merry Christmas. In the field notes of the Knoxville I do not mention or show the original lines of location of the Merry Christmas, but show the position of the stakes as they are placed now upon the ground

Y.

TOMBSTONE, A. T.,

very respectfully yours.

H. G. Howe,
U. S. Deputy Surveyor of
Mineral Lands.

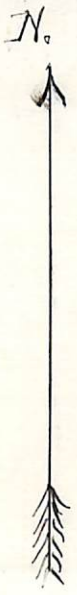
A. G. Howell Esq

U. S. Dep. Min. Bur.

Tombstone Ark. 31-1882

Regarding the sur-
vey of the Merry X-
mas M. C. Tombstone
Dist.

Rec'd Apl. 3rd 1882,



Knoxville

