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LOT NO 60

SURVEY NO 554

Field Notes

of the survey of the

Southern Cross

Mining Claim

Situate in Copper Mountain mining district.

County of Graham and in Sec approx 4, Tp 7S

Range 29E, of the Gila and Salt River Meridian.

ARIZONA.

Claimed by Ho. Me. Porter

Survey executed by J. G. Parke U.S. D. S.

Under instructions dated August 10<sup>th</sup> 1883

Survey commenced " 28<sup>th</sup> 1883

Survey completed " 31<sup>st</sup> 1883

# PRELIMINARY OATHS

FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

Joseph Walker

WE, Martin Kehoe and Harry Arbuckle  
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.

Martin Kehoe  
Harry Arbuckle  
Joseph Walker

SWORN to and subscribed before me, this 28<sup>th</sup> day  
of August, 1883

Ben M. Crawford  
Notary Public



I, Baylor Shannon,

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

Baylor Shannon

SWORN to and subscribed before me this 28<sup>th</sup> day  
of August, 1883

Ben M. Crawford  
Notary Public

Feb

Field Notes  
of the Survey of the  
Southern Cross

Mining Claim,  
in the Copper Mountain  
Mining District,  
Graham County  
Arizona.

Claimed by H. M. Porter

Surveyed by G. G. Parke  
U. S. Deputy Mineral  
Surveyor, under instructions  
from Surveyor General, of  
date August 10<sup>th</sup> 1883.

Survey Commenced August 28<sup>th</sup>  
1883 and Completed August  
31<sup>st</sup> 1883.

Description of Survey.

Beginning at the Initial Mon.  
mentioned in location notice  
and marking the North west-  
corner of Claim, where I set  
post 4 ins. by 6 ins. 4 1/2 feet  
long, on solid rock, and surround-  
ed same with mound of stones.

Post marked, S. C. I. M. No. 1.

U. S. M. M. No. 3 bis N. 80° 56' W.  
2748 ft.

Cor. to Little Giant. Sol. No. 44  
post marked L. G. No. V. bis  
S 72° 41' E. 300 ft.

Pine tree 7 ins dia, and marked  
S. C. I. M. No. 1, B. T. bis S. 9° 09' W.  
15 ft.

Feet, Southern Cross Mining Claim.  
Thence S 14° 54' W.

300 Var. 13° 20' E.  
To center of gulch, course S. W.  
being the north western end  
center of claim, where I set  
post 4 ins. by 6 ins. 4 1/2 feet long  
12" in ground, and surrounded  
same with mound of stones  
Post marked S.C.M.C. No 11.

Thence S 14° 54' W. (same course)  
Var. 13° 20' E.

70 To center track of Metcalf incline.  
End of ore bin brs S 81° 06' W.  
43 ft.

Foot of incline grade brs N 81°  
06' E. 13 feet.  
Frame house 12 ft x 12 ft. brs S 75° 06' E.  
20 ft.

120 Intersect center of Rail Road  
course, N. W. and S. E.

300 To S. W. Corner of Claim, where  
I set post 4 x 6 ins. 4 1/2 ft. long,  
18 ins. inground and surrounded  
same with mound of earth and  
stone. Post marked S.C.M.C. No 111  
The, loc. mon. brs. S 14° 54' W. 3 ft.  
Juniper tree 4 ft. in dia. and mark  
ed S.C.M.C. No 111 B.T. brs S 87° 51' E.

127 ft.  
juniper tree 3 ft. dia. and marked  
S.C.M.C. No 111. B.T. N 53° 44' E.  
116 1/2 ft.  
Thence S 72° 41' E.  
Var 13° 20' E.

267 1/2 Intersect center R.R.

292 Call stumps 8 ins. dia.

600 Monument of Stones cor. to  
Junction and Peak mining  
Claims, at base of impassable  
cliff, where I ran N 17° 19' E for  
300 feet, to temporary stake.

Feet. Southern Cross Mining Claim.  
 Thence I ran  $S 72^{\circ} 41' E$  parallel  
 to side line, 300 feet, to a tem-  
 porary stake. Thence  $S 17^{\circ} 19' W$ .  
 300 feet, to intersection of side  
 line of claim, at the north  
 end center of Peak Mine, at  
 900 from where the highest point  
 of cliff. ~~to~~  $N 72^{\circ} 41' W$ . 130 ft.  
 (This diversion was made to  
 pass the aforesaid cliff.)  
 Thence continuing on south  
 west side line,  
 1200 To mon. of stones of Peak Claim.  
 1500 To S.E. Cor. of Claim, where I  
 marked rock in place, + S.C.  
 N<sup>o</sup> IV. impracticable to erect a  
 mound. Post of Oak 4 x 5 ins  
 4 1/2 ft long, surrounded by mound  
 of stones. Post marked W.P. S.C.  
 M.C. N<sup>o</sup> IV. ~~to~~  $S. 77^{\circ} 19' W$ . 6 ft.  
 from ~~true~~ corner.  
 (No other bearings practicable)  
  
 Thence  $N 14^{\circ} 54' E$ .  
 Var.  $13^{\circ} 20' E$ .  
 300 South east end Center of claim.  
 Set post 4 x 4 ins by 4 ft and  
 on solid rock. Post marked  
 S.C. M.C. No V. surrounded by  
 mound of stones,  
  
 Thence  $N 14^{\circ} 54' E$ . (Same course)  
 Var.  $13^{\circ} 20' E$ .  
 300 To Cor. of Sittle Annie Lot No  
 43 and Oriental Lot No 47, a  
 post marked L.A. No 11 and  
 O.M.C. No 11, where I set post  
 4 x 6 ins by 4 1/2 ft long, on solid  
 rock, and surrounded same  
 by mound of stones.  
 Post marked, S.C.M.C. No VI.

Feet - Southern Cross Mining Claim.

Pine tree 10' ins, dia, marked  
S.C. M.C. N<sup>o</sup> VI, B.T. bis. S. 58° 11'  
E. 40 ft.

Aclar tree 8' ins dia, marked  
S.C. M.C. N<sup>o</sup> VI, B.T. bis N 71° 10' W  
10 ft.

Thence N. 72° 41' W,  
Var. 13° 20' E.

268 Open cut - 14 ft. long, 5 ft. wide  
and averaging 4 ft. deep. bis.  
S 17° 19' W. 57 ft.

300 Initial Mon. Little Annie  
Lot - N<sup>o</sup> 43

480 Intersect - mining car track.  
Course N. E and S. W.  
Open cut - 20 ft. long 4 1/2 ft.  
wide, and a tunnel 4 ft wide  
6 ft high and 85 ft in length  
bis S 17° 19' W 14 1/2 ft. and  
their course is S 82° 13' E. from  
this point.

An irregular open cut,  
averaging 20 ft. wide for 40 ft.  
and 27 ft. wide for 30 ft.  
with average depth of 24  
feet. bis S 17° 19' W. 73 ft.

General course of cut - S 47°  
45' E.

Open cut - 25 ft. long, 3 ft wide,  
and 6 ft. deep. bis S 17° 19' W. 135  
ft. and its course S 70° 10' E.

542 Open Cut, 25 ft. long, 4 ft wide  
8 ft. deep at face. bis S 14° 54'  
W. 300 feet.

600 S. W. Cor. Little Annie Lot 43.  
and S. E. Cor. Little Giant Lot  
N<sup>o</sup> 44, Post-marked L. A. N<sup>o</sup> VI  
and L. G. N<sup>o</sup> 1.

733 Intersect - center track of Metcalf  
incline S 81° 06' W. Course

Feet Southern Cross Mining Claim  
 1200 S.W. Cor. Little Giant Lot N<sup>o</sup> 44  
 Post marked L.G. N<sup>o</sup> V.  
 1300 Intersect-gulch, Course S.W.  
 1500 To Mon. and post-S.C.I.M. N<sup>o</sup> 1  
 place of beginning

Area.

Total area of Claim  $20\frac{64}{100}$  Acres.  
 Net area " "  $20\frac{64}{100}$  Acres

Location.

This claim is bounded on the north east-side line by the Little Annie Lot N<sup>o</sup> 43. the Little Giant-Lot N<sup>o</sup> 44, and part of the "C.L. Mine, on the west-end line by the Moguis and on the southern side line partly by the junction and Peak Mines.

Improvements

Made upon this claim by the claimant, or grantors, consist of a dis. open cut on center line S 72<sup>o</sup> 41' E. 958 ft from post, S.C. M.C. N<sup>o</sup> 11.

Open Cut, - 14 ft long. 5 ft wide and averaging 4 ft deep. bis. S 17<sup>o</sup> 19' W. 57 ft from a point - 268 ft on the north side from post S.C. N<sup>o</sup> VI.

An irregular Open Cut, averaging 18 ft wide, 70 ft long and 24 feet deep, the west end of which, bis S 17<sup>o</sup> 19' W 73 ft from a point on side line N 72<sup>o</sup> 41' W. 480 ft. from Post S.C. M.C. N<sup>o</sup> VI.

An incline for transporting ore down mountain, 840 ft of which is upon this claim,



Southern Cross Mining Claim  
and a frame building 12 x  
12 ft. situated at foot of  
incline.

I hereby certify that the  
value of said improvements  
exceed the sum of five  
hundred dollars, and know  
of no conflict with any part  
of this claim.

Instruments used, a Gunley Moun-  
tain Transit and Standard 50  
ft. steel chain.

Meridian and Variation  
ascertained by observation  
on Polaris on its eastern  
elongation.

J. S. Park  
U. S. Deputy Mineral Surveyor  
Copper Mountain Mining Dist.

Sept. 1<sup>st</sup> 1883.

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 the Southern Cross Mining Claim located in Copper Mountain Mining District, Graham County, Arizona, showing the respective capacities in which they acted.

Martin Kehoe Chainman.  
Harry Arbuckle Chainman.  
Bayler Shannon Axeman.  
J. Walker Flagman.

WE hereby certify that we assisted J. G. Parke U. S. Deputy Surveyor, in surveying the boundaries, surfaces and connections of the Southern Cross Mining Claim claimed by H. M. Porter located in Copper Mountain Mining District, Graham 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.

Harry Arbuckle Chainman.  
Jos Walker Chainman.  
Bayler Shannon Axeman.  
Henry Arbuckle Flagman.

SWORN TO AND SUBSCRIBED before me this 9<sup>th</sup> day of October 1883

Ben M. Crawford  
Notary Public

I, J. G. Parke U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from the U. S. Surveyor-General for Arizona, bearing date the 10<sup>th</sup> day of August 1883, 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, surface and the connections of the Southern Cross Mining Claim, claimed by H. M. Porter located in Copper Mountain Mining District, Graham 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.

J. G. Parke Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 9<sup>th</sup> day of October 1883

Ben M. Crawford  
Notary Public



## AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, *Martin Kehoe* and *Baylor Shannon*  
of lawful age, being first duly sworn according to law, depose and say that we are acquainted with the  
*labor and improvements done on the*  
*Southern Cross* mining claim, situated in *Copper Mountain*  
Mining District, *Graham* County, *Arizona*  
Territory, for which *A. M. Porter*  
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 appli-  
cant and his grantor exceed Five Hundred Dollars in value, and further that we are not per-  
sonally interested in said mine.

*Martin Kehoe*  
*Baylor Shannon*

TERRITORY OF ARIZONA,  
County of *Graham* } SS.

SWORN to and subscribed before me, this *9<sup>th</sup>* day

of *October* 188*3*

*Ben M. Crawford*  
Notary Public



Amended Location Notice of the  
"Southern Cross Mine".

Notice is hereby given to whom it may concern, that whereas, Robert B. Metcalf, did on the 14<sup>th</sup> day of August A.D. 1880 locate the Southern Cross Mine and Mining Claim, situate in Copper Mountain Mining District, formerly Apache County now Graham County in the Territory of Arizona, the certificate of notice of location whereof is duly of record in the office of the District Recorder of said Copper Mountain Mining District in Book "B" of records of said District at folio 180 and in the office of the County Recorder of said County of Graham in Book two of Records of Mines on pages 31 & 32 and whereas the undersigned by deeds duly recorded in the office of the County Recorder of said County of Graham, did purchase said claim and whereas it is desired to know definitely and more perfectly describe said Mining Claim by metes & bounds, and by connection with natural objects and permanent monuments. Now therefore

the undersigned for the purpose of <sup>12</sup> ~~mo.~~  
definitely defining the "utes and bounds  
of said "Southern Cross Mining Claim  
by reference to "natural objects and  
permanent monuments, and for no  
other purpose, does make this amend-  
ed "notice of location and claim the  
said Southern Cross Mine and Mining  
claim, expressly renewing all rights  
acquired or accruing under said ori-  
ginal "notice of location, said South-  
ern Mine & Mining claim being 1500 ft.  
in length by three hundred feet in  
width on each side of the middle  
of the vein as originally located &  
as now held and claimed, the boundaries  
and references to permanent monuments  
and natural objects being as follows, to wit:  
Commencing at this point in a "mon.  
of stones being the N. W. corner where  
a copy of this notice is posted, from  
which a post marked S. W. Cor. No. 9  
N. v. of Little Giant Mine Lot No. 44  
bears S  $72^{\circ} 10'$  E, 300 feet and a large  
rock at junction of East & Middle  
forks of Chaves' Creek, bears S  $50^{\circ}$   
 $02'$  E 1928 feet distant. Thence S  $15^{\circ}$   
 $22'$  W 600 feet to post marked S. C. S. W. Cor

in monument of stones. Thence South  
 $72^{\circ} 10'$  E over high peak 1500 feet to  
 post marked S. C. S. E. Cor. in a monu-  
 ment of stones. Thence N  $15^{\circ} 22'$  E 600 ft.  
 to post marked L. A. "M. C. No 11" and  
 S. "M. C. No 11" being the S. E. Corner of  
 Little Annie Lot No 43. and S. W. Cor.  
 of Oriental Lot No 47. Thence N  $72^{\circ}$   
 $10'$  W 600 feet along the South end line  
 Little Annie, thence to 1200 along S.  
 end line Little Giant; thence to  
 1500 feet along S end line of the C. L.  
 to place of beginning. Dated, notices  
 posted upon the claim and the mon.  
 erected in the presence of the subs-  
 cribed witnesses this the 11<sup>th</sup> day of July  
 A. D. 1883

Witnesses  
 John Gimney  
 Robert Wallace  
 H. G. Luage

H. M. Porter  
 Present Owner

Copper Mountain Mining District  
 County of Graham Territory of Arizona  
 I hereby certify that the foregoing  
 notice of location was filed for record  
 in my office on July the 12<sup>th</sup> A. D. 1883 at 5  
 o'clock P. M. and duly recorded on page 274  
 of Book "C" of Records of said District

Sig. Weisl Recorder

Filed for record and recorded at the  
request of Sig. Weisl July 17<sup>th</sup> 1883 14  
at 10 o'clock A.M.

Pablo Salcido  
County Recorder  
By P. J. Bolan Deputy

Office of the County Recorder  
of Graham County, Ter. of Arizona  
I hereby certify that the foregoing  
is a full, true and correct copy of  
the Amended Mining Location of the  
Southern Cross Mine Claim as ap-  
pears of record in this office.

In witness whereof I have here-  
unto set my hand and affixed my  
official seal this 30<sup>th</sup> day of July 1883

Pablo Salcido  
County Recorder  
By P. Michelina Deputy

# Mining Location

## Southern Cross Mine

The undersigned in compliance with the Mining laws of Congress, approved May 10<sup>th</sup> 1872 show this 17<sup>th</sup> day of August 1880, located and claim on this lead, lode or deposit of Copper bearing ore, 1500 feet horizontal measurement in length by 600 feet in width as follows, to wit: Beginning at this monument of stones, standing Three Hundred (300) feet north  $72\frac{1}{2}$  degrees west of the S.W. corner of the "Little Giant" Mine which is surveyed and patented and running 600 feet south  $17\frac{1}{2}$  degrees East 1500 feet to a monument of stones, thence north  $17\frac{1}{2}$  degrees East 600 feet to a mon. of stones the S.E. & S.W. corners respectively of the "Little Annie" & "Oriental" Mines which are patented thence north  $72\frac{1}{2}$  degrees west <sup>along</sup> the south boundary line of the "Little Annie" and "Little Giant" Mines 1500 feet to place of beginning. This claim is located in Copper Mountain Mining District, County of Apache and Territory of Arizona and shall be known as the "Southern Cross."



Attest

Locator 10

Edwin Polk

R.B. Metcalf

J. D. Pancake

Filed for record August 19<sup>th</sup> A.D. 1880

J. F. Bennett

Recorder

Office of the Recorder of Copper Mountain  
Mining District, Ter. of Arizona  
County of Graham

I hereby certify that the foregoing  
is a full, true and correct copy of notice  
of Location of the Southern-Cross  
Mining Claim as appears of record  
at folio 180 of Book 'B' of Records of  
above said District

Sam. J. Freundthal  
Recorder

Recorded at the request of G. G. Pusey  
March 30 - 1883 at 30 minutes past 9 o'clock  
A.M.

Table Galindo Co. Recorder  
By L. Frye Deputy

Office of the County Recorder  
of Graham County Ter. of Arizona

I hereby certify that the foregoing  
is a full, true and correct copy of  
the Mining Location of the "Southern  
Cross" Mine as appears of record  
in this office.

In witness whereof I,  
have hereunto set my hand and  
affixed my official Seal this 30<sup>th</sup>  
day of July 1883

Pablo Salcido

Co. Recorder

By P. Michelena  
Deputy



U. S. Surveyor General's Office,

Tucson, Arizona, October 17 1883

The foregoing field notes of the survey of the Southern Cross  
Mining Claim situate in  
the Copper Mountain Mining District, Graham  
County, Arizona, claimed by H. M. Porter

survey executed by J. G. Parke 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.

J. W. Robinson

Surveyor General.