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(4-683.)

Mineral Survey No. 1732

Lot No.

G I L A Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF
The Shannon Copper Company.

KNOWN AS THE
White Hawk East Extension
~~East Extension of the White Hawk,~~

Copper Mountain or Greenlee Gold Mountain Mining District,

Graham County, Arizona.

Approx. Section 32 ³, Township 3 S., Range 29 E. Unsd.

Surveyed under instructions dated Dec. 1, 1902.

by Lorenzo D. Chillson,
U. S. Deputy Mineral Surveyor.

Claim located Oct. 1, AMENDED, 1902.

Survey commenced *Jan. 15*, 1903

Survey completed *Jan. 18*, 1903

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, B. Aranda and Bruno Duran,
do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either 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, and in accordance with instructions given us, in the survey of the Mining Claim of The Shannon Copper
Company
known as the White Hawk East Extension
situate in Arconlec Cabel Mountain mining district
Arconlec County, approximately
in Section _____, Township No. 4 S., Range No. 29 E.

Witness his mouth } B. Aranda Chairman.
Jose M. Perez } Bruno Duran Chairman.

Subscribed and sworn to by the above-named persons before me this
1st day of January, 1903.

J. D. Chillson - Notary Public
My Commission expires Feb, 24th 1906

I, Jose M. Perez, do solemnly swear that I will well and truly perform the duties of axman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of The Shannon Copper Company
known as the White Hawk East Extension
more fully described in the preceding affidavit.

Jose M. Perez, Axman.

Subscribed and sworn to by the said Jose M. Perez
before me this 1st day of
January, 1903.

J. D. Chillson - Notary Public
My Commission expires Feb, 24th 1906

I, Jose M. Perez, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of The Shannon Copper Company
known as the White Hawk East Extension
more fully described in the preceding affidavit.

Jose M. Perez, Flagman.

Subscribed and sworn to by the said Jose M. Perez
before me this 1st day of
January, 1903.

J. D. Chillson - Notary Public
My Commission expires Feb, 24th 1906

EAST EXTENSION OF THE WHITE HAWK.

Min. Sur. No. 1732.

Feet. Beginning at the N. W. Cor. of the Claim, identical with the S. W. Cor. No. 4 of the Dry Jack Min. Sur. No. 1740.

Set a 4 x 4 inch pine post, 4 ft. long 24 inches in the ground, marked E. E. W. H. 1-1732, and raised a mound of stone ^{around} ~~alongside~~. Whence,

A Quartzite stone, being an outcrop of a ledge, chiseled B. R. * 1-1732 bears S. 21 deg. 30 min. E., 13.2 ft.

U. S. M. M. No. 2, bears N. 4 deg. 16 min. W., 5510.3 ft.

No other bearings available.

Thence S. 72 deg. 10 min. E.

Var. 11 deg. 50 min. E.

Along the North End line of this Claim and the South End Line of the Dry Jack Lode Claim.

300. A post and mound of stones the N. E. C. of the Claim identical with the S. E. C. of the Dry Jack Lode Claim.

600. To Cor. No. 2, identical with Cor. No. 3 of the Dry Jack Min. Sur. No. 1740.

Set a 4 x 4 inch pine post, 4 ft. long 4 ins. square, set 20 ins., in the ground, marked E. E. W. H. 2-1732, and raised a mound of stone ^{AROUND POST} ~~alongside~~. Whence,

A red porphyry rock 4 x 3 x 3 ft., chiseled B. R. * 2-1732 bears N. 57 deg. 30 min. E. 4.5 ft. dist.

No other bearings available.

Thence S. 17 deg. 50 min. W.

Var. 11 deg. 55 min. E.

Along the Easterly side line of this Claim.

1500. To Cor. No. 3,

Set a 4 x 4 inch pine post, 4 ft. long, 20 ins., in the ground, marked E. E. W. H. 3-1732, and raised a mound of stone ^{AROUND POST} ~~alongside~~, Whence,

A Quartzite rock, 4 x 3 x 2 ft. chiseled B. R. * 3-1732 bears N. 1.9 ft. dist.

See Sup. Letter
July 14, 1903.

Cor. of sec 1-2-11 & 12 T. 45. R. 24 E. Sec. 563° 02' E. 9760 ft.

= 2 =

No other bearings available.

Thence N. 72 deg. 10 min. W.

Var. 12 deg. 00 min.E.

Along the Southerly end line of this Claim.

300. A post and mound of stones the S. E. C. of this claim.

600. To Cor. No. 4,

Set a 4 x 6 inch pine post, 4 ft. long set 2 ft. in the ground, marked E. E. W. H. 4-1732, and raised a mound of stone ~~AROUND POST~~ alongside, Whence,

B. R. # 4-1732 is chiseled on a quartzite ledge 20 ft. high. S. 17 deg. 50 min. W. 1.8 ft. dist.

No other bearings available.

Thence N. 17 deg. 50 min. E.

Var. 12 deg. 00 min.E.

Along the Westerly side line of this Claim.

S. E. Cor. of the White Hawk Claim, Lot No. 46, a post amrked S. E. Cor. III.

1500. To Cor. No. 1 the place of beginning.

Survey of Exterior Boundaries.

The survey is identical with the Location.

NOTE: Mounds of stone are 3 ft. base 2½ ft. high.

Total and net area 20.66 Acres.

L E D G E.

The mineral bearing ledge runs throughout the center of this claim, S. 17 deg. 50 min. W., 500 ft. and N. 17 deg. 50 min. E. 1000. ft., from the Discovery shaft No. 1.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements placed upon this claim by the claimants or their grantors is not less than Five hundred dollars and that said improvements consist of,

No.1 From the S. E. C., the Discovery Shaft, 4 x 6 x 10 ft. deep, N. 17 deg. 50 min. E., 500 ft.

= 3 =

Value,		\$100.00
No. 2	From the N. E. C., S. 17 deg. 50 min. W., A tunnel 5 ft. wide 7 ft. high, extends S. 60 deg. W. 108 ft. ²⁹⁵ , equipped with T rails	
Value,		\$1300.00
Total value of improvements upon this claim.		\$1400.00

A D J O I N I N G C L A I M S .

On the North the Dry Jack Min. Sur. No. 1740, the Shannon Copper Company Claimants.

On the east by unsurveyed public lands.

On the South By unsurveyed public lands.

On the West by the White Hawk Lot No. 46. Claimants unknown.

L O C A T I O N .

In approximate sec. 34³², T. 3 S., R. 29 E., Unsurveyed.

In the Greenlee Gold Mountain or Copper Mountain Mining Dist.

I N S T R U M E N T .

This survey was made with a Curley Engineers Transit with Burt Solar Attachment. The courses were deflected from the true meridian as determined by direct Solar observations, checked on Polaris. The distances were measured with a 100 ft. steel tape.

Laurencia M. Chellson
U. S. Deputy Mineral Surveyor.

Tucson Arizona. April 25th 1903.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by J. D. Chillson
 United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines
 corners and boundaries described in the foregoing field notes of the survey of the mining claim
 of The Shannon Copper Company
 known as the East Extension White Herxli
 and showing the respective capacities in which they acted.

- C. Aranda....., Chairman.
- Bruno Duran....., Chairman.
- José M^o Perez....., Axman.
- José M^o Perez....., Flagman.

FINAL OATHS OF ASSISTANTS.

We, C. Aranda, Bruno Duran,
 and José M^o Perez....., do solemnly swear that we assisted J. D.
Chillson....., United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of The Shannon Copper
Company....., known as the East Extension
White Herxli....., represented
 in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under
 his direction; and that said survey has been in all respects, to the best of our knowledge and
 belief, faithfully and correctly executed, and the corner and boundary monuments established
 according to law and the instructions furnished by the United States Surveyor-General for

- Witness his mark
José M^o Perez — — — — —
- Crescenciano Aranda....., Chairman.
 - Bruno Duran....., Chairman.
 - José M^o Perez....., Axman.
 - José M^o Perez....., Flagman.

Subscribed and sworn to by the above-named persons before me
 this 2nd day of January, 1903

J. D. Chillson - Notary Public's
My Commission expires Feb. 24 1906

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Lorenzo D. Chillson, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated _____, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of The Shannon Copper Company, known as the East Extension of the White Hawk, situate in The Greenlee Copper Mt. Graham Mining District, Arizona County, in Section 31 32 APPROX, Township No. 5 S., Range No. 20 East, Unsurveyed, and designated as Survey No. 1739, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Lorenzo D. Chillson
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Lorenzo D. Chillson
U. S. Deputy Mineral Surveyor, before me A. M. Franklie
A. Notary Public this First
day of May 1903, My Commission Expires Sept. 19, 1903

A. M. Franklie
Notary Public

Affidavit of Five Hundred Dollars Improvements.

We, W. F. [unclear], and M. Blumenthal

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Best Extension White Hawk mining claim, situate in Greenlee Gold Mountain Mining district, Graham County, Arizona Territory, for which The Sherman Copper Company

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 their grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

W. F. [unclear]

M. Blumenthal

TERRITORY OF ARIZONA, }
County of Graham } ss:

Sworn to and subscribed before me, this 2nd

day of January, 1903



I. D. Chilson - Notary Public
My Commission expires Feb 24th 1906

AMENDED-AMENDED.
NOTICE OF MINING LOCATION. LOSE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the "WHITE HAWK EAST EXTENSION" Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by H.S. Anderson, Mgr. for the Shannon Copper Co. a corporation duly organized and existing under the laws of the State of Delaware the undersigned, on the first day of October 1902.

The length of this claim is fifteen hundred feet, and we claim five hundred feet, in a South-westerly direction, and ten hundred feet in a North-easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the South-west to the North-east.

The claim is situated and located in the Greenlee Gold Mountain Mining District, in Graham County, in the Territory of Arizona, about 3/4 of a mile in a North-easterly direction from the town of Metcalf.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a stone monument from which the discovery shaft bears N. 17° 10' E. 500 feet (at which this notice is posted), being in the center of the South-westerly end line of said claim; thence N. 72° 50' W. 300 feet to a post and monument of stones, being the South-west corner of said claim; thence N. 17° 10' E. 1500 feet to a post and monument of stones being at the North-west corner of said claim; thence S. 72° 50' E. 300 feet to a post and monument of stones being the center of the North-easterly end of said claim; thence S. 72° 50' E. 300 feet to a post and monument of stones being at the North-east corner of said claim; thence S. 17° 10' W. 1500 feet to a post and

monument of stones at the South-east corner of said claim;thence N. 72° 50' W. 300 feet to the place of beginning.

All done under the provisions of Chapter Six,of Title XXXII,of the Revised Statutes of the United States,and of an Act of the General Assembly of Arizona,entitled "An Act to Codify and Revise the Laws of the Territory of Arizona",approved March 16th,1901.

Dated and posted on the ground this 1st day of October 1902.

Witness.

Shannon Copper Co.

John G.Kirchen.

By H.S.Anderson,Mgr.

Filed and Recorded at request of H.S.Anderson,October 13th,1902, at 9 o'clock A.M.

Thomas Smith,County Recorder.

Territory of Arizona,)
)ss.
County of Graham.)

I, Thomas Smith,County Recorder,in and for the County and Territory aforesaid,do hereby certify the foregoing to be a full, true, correct and complete copy of the Amended-Amended Location Notice of the WHITE HAWK EAST EXTENSION Mining Claim,as the same appears upon the Records of Graham County,in Book 15 page 183 Records of Mines.

In Witness Whereof, I have hereunto set my hand and affixed my official seal at my office in Solomonville,said County and Territory, this 14th day of October A.D.1902.

Thomas Smith
County Recorder,Graham County,
Territory of Arizona.

4-687.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD
NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior.

Office of U. S. Surveyor-General,

Phoenix, Arizona.

July, 16 - , 1903

I, U. S. Surveyor-General for Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of the Shannon Copper Company

....., known as the

WHITE HAWK EAST EXTENSION

situate in Greenlee Gold Mountain or Copper Mountain mining district,

Graham County, Arizona

in Section approx. 32, Township No. 3 S., Range No. 29 N. UNSD.

....., designated as Survey No. 1732

executed by Lorenzo D. Chillson, U. S. Deputy Mineral

Surveyor, Jan. 1st, 1903, under my instructions dated

Dec. 1, 1902, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Mugh H. Rice

U. S. Surveyor-General for Arizona

