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LOT NO. 37

Field Notes.

of the survey of the

Esperanza  
Mining Claim

Situate in Pima mining district

County of Pima and in Sec. \_\_\_\_\_, Tp \_\_\_\_\_

Range 12 E of the Gila and Salt River Meridian.

Arizona.

Claimed by the Esperanza  
Mining and Milling Company

Survey executed by L. H. Hillson D. S.

Under instructions dated January 27, 1881

Survey commenced January 28, 1881

Survey completed January 29, 1881



PRELIMINARY OATHS FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, Leurett F. Fries and Homer E. Sager

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.

Leurett F. Fries  
Homer E. Sager

SWORN AND SUBSCRIBED before me this 28<sup>th</sup>  
day of January 1881

I. D. Chilson  
Natary Public  
Prima Co. A. T.

I, J. G. Ruok

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

J. G. Ruok

SWORN AND SUBSCRIBED before me this 28<sup>th</sup>  
day of January 1881

I. D. Chilson  
Natary Public  
Prima County A. T.



Field Notes of survey of the Esperanza Mine Pima District

Pima Co. A. J. Under instruction sur. Genl. dated Jan 27, 1881

U. S. Mineral Monument No 1 established by authority <sup>of</sup> January 28<sup>th</sup> 1881 in Pima Mining District, Pima Co, Arizona Territory.

Said monument is situated on top of a high and conspicuous ridge of basaltic porphyry formation, centrally located in the mineral belt. At the apex of said ridge is a ledge of basaltic porphyry permanent in place rising 2 ft above ground which I selected as the most suitable place for the monument and upon which I engraved the following letters and figures viz: on side bearing S. E. - verticle in position - U. S. M. M. - No 1, on side bearing N. angle of 50° elevation JAN 28 1881; on side bearing S. W. angle of 30° elevation - P. M. D. Drilled a hole  $\frac{3}{4}$ " dia, 1 inch deep in same to designate initial point; from which a rock permanent in place projecting 2 ft above ground bears N. 16° 5' W. 112 ft 11" dist; engraved on side of same facing the monument the letters U. S. W. M. (witness mark). A rock permanent in place projecting 2 1/2 ft above ground facing the S. bears S. 12° 30' E. 21 ft 5" dist; engraved on same the letters U. S. W. M. S. E. cor, of Campbells boarding house bears S. 17° E. Original location monument of the Esperanza Mine - center of S. westerly end of claim - bears S. 28° 15' E. Upon initial point, set a live oak post 5 1/2 ft high hewed 6" square; marked same on N. side U. S. M. M. No 1. On E. side - P. M. D. On S. side U. S. M. M. on W. side JAN 28 1881. All of said marks are distinctly cut with surveyors marker. Built mound of basaltic porphyry rock around said post 6 ft dia, and 5 ft high.

I. D. Chilson



4

"Magnetic Variation"

Ascertained by observation on Polaris - evening of January 27<sup>th</sup> 1881, at a point about 1/2 mile S. Easterly from the Esperanza Mine.

Angle of departure at greatest elongation west =  $14^{\circ} 45' 30''$  - Azimuth  $1^{\circ} 34' 20'' = 13^{\circ} 11' 10''$  true magnetic variation.

Observation made with a Curley Solar Transit.

Field Notes

Official Survey of the Esperanza Mine.

Begin at the original location monument, center of S. westerly end of claim - upon which the notice of location is posted. The same being situate on left bank of arroyo at a point from which U.S.M.M. No 1 bears N.  $28^{\circ} 16'$  W. 2238 ft 6<sup>in</sup> dist. In center of said location monument, set a masquite post 3 ft high, 3<sup>in</sup> square marked E.M.M.C. - S.E.C. and run from thence; on true course

Magnetic variation =  $13^{\circ} 11' 10''$  E.

- 1 N.  $36^{\circ} 30'$  W. At 220 ft center of arroyo, course S.  $5^{\circ}$  W. At 300 feet monument of stones, set a masquite post 4 ft high 4<sup>in</sup> square in same, marked E.M.M.C. - S.W.C. for N.W. corner of claim; from which a live oak tree 12<sup>in</sup> dia, bears N.  $80^{\circ}$  E. 11 ft dist; marked same E.M.M.C. - B.T. Thence
- 2 N.  $42^{\circ} 45'$  E. <sup>Var  $13^{\circ} 11' 10''$  E.</sup> At 30 ft middle of arroyo course S.  $5^{\circ}$  W. At 1481 ft 9<sup>in</sup> original location corner monument. Set a masquite post 4 ft high 3<sup>in</sup> dia, marked E.M.M.C. - N.E.C. in said monument for N.E. cor. of claim. Thence
- 3 S.  $36^{\circ} 30'$  E. <sup>Var  $13^{\circ} 11' 10''$  E.</sup> At 281 ft original center monument, N. Easterly end of claim. Set a masquite post - in same - 4 ft high 3<sup>in</sup> dia, marked E.M.M.C. - N.E.C. Thence continuing same course; At 567 ft monument of stones; set a masquite post - in same - 4 ft high 3<sup>in</sup> dia, marked E.M.M.C. - S.E.C. for S.E. cor. of claim. Thence



- 4 S.  $41^{\circ} 15'$  W. <sup>Var  $13^{\circ} 11'$</sup>  1485 ft 8<sup>in</sup> to a monument of stones. Set a Mesquite post-in same - 4 ft high 3<sup>in</sup> dia, marked E.M.M.C. - S.W.C. for S.W. cor. of claim. Thence
- 5 N.  $36^{\circ} 30'$  W. <sup>Var  $13^{\circ} 11'$</sup>  292 feet to the place of beginning: Containing 19.35 Acres.

"Improvements"

On the Esperanza Mine consists of the following shafts cuts etc, and are situated as follows viz: Begin at the original center monument at the South-westerly end of claim and run from thence N.  $42^{\circ}$  E. through center of claim, 1<sup>st</sup> 378 ft 6<sup>in</sup> to a point from which an incline shaft 4x6 ft in size 45 ft deep bears S.  $27^{\circ} 30'$  E. 146 1/2 feet dist; 2<sup>nd</sup> 484 ft to a point from which the center of an open cut 18 ft long, 4 ft wide 4 ft deep bears S.  $48^{\circ}$  E. 19 ft dist; 3<sup>rd</sup> 550 ft to a point from which the center of an open cut 50 ft long, 4 ft wide 5 ft deep bears S.  $3^{\circ} 15'$  E. 66 ft dist; 4<sup>th</sup> 607 feet to a point from which a shaft 4x6 ft in size, 165 feet deep bears S.  $48^{\circ}$  E. 27 ft dist, an open cut 4 ft wide 13 ft deep connects with this shaft and bears N.  $48^{\circ}$  W. 22 ft dist; 5<sup>th</sup> 680 feet to a point from which a shaft 5x6 1/2 ft in size, 10 ft deep bears S.  $48^{\circ}$  E. 13 1/2 ft dist; Company's black-smith shop - stone building 18 ft x 13 ft in size, 11 1/2 ft high - N.W. cor. bears S.  $42^{\circ} 30'$  E. 110 ft dist; 6<sup>th</sup> 783 1/2 feet to a point from which a shaft 4x6 ft in size 131 feet deep bears S.  $48^{\circ}$  E. 6 1/2 ft dist; At the depth of 100 feet, this shaft is connected with the aforementioned 165 ft shaft by tunnel. 7<sup>th</sup> 857 1/2 feet to a point from which a shaft 4x6 ft in size 8 ft deep, bears N.  $48^{\circ}$  W. 3 ft dist; 8<sup>th</sup> 1047 1/4 feet to a point from which a shaft 4x6 ft in size 50 ft deep bears N.  $48^{\circ}$  W. 10 1/2 ft dist; 9<sup>th</sup> 1311 feet to a point from which a shaft 4x6 ft in size, 60 ft deep bears N.  $55^{\circ} 30'$  W. 43 ft dist; An open cut with incline 4x6 ft in size 8 1/2 ft deep bears S.  $62^{\circ} 30'$



W. 103 ft dist, 148 1/2 feet to original loc-  
ation monument, center of N. easterly end  
of claim.

All of the herein mentioned improvements  
together with probably 400 tons of millings  
are lying at the various dumps, are within  
in the exterior boundaries of the Esperan-  
za mining claim, and have been done at  
the expense of claimants. Said improve-  
ments must necessarily have cost said  
claimants many thousands of dollars.

I. D. Chilson

U. S. Depy. Mt. Sur.

Survey completed

January 29<sup>th</sup> 1881

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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 Esperanza Silver Mine

located in Pima Mining District, Pima County, Arizona, showing the respective capacities in which they acted.

I. J. Fries Chainman.  
Homer E. Sager Chainman.  
T. G. Rusk Axeman.  
[Signature] Flagman.

WE hereby certify that we assisted L. D. Chillson U. S. Deputy Surveyor, in surveying the Esperanza mining claim

claimed by the Esperanza Mining and Milling Co. located in Pima Mining District, Pima 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.

L. J. Fries Chainman.  
Homer E. Sager Chainman.  
T. G. Rusk Axeman.  
[Signature] Flagman.

SWORN TO AND SUBSCRIBED before me this 29<sup>th</sup> day of January 1881

L. D. Chillson  
Notary Public  
Pima Co. Ariz.

I, L. D. Chillson U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions from John Wasson, U. S. Surveyor-General for Arizona, bearing date the 29 day of January 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 Esperanza Mining Claim

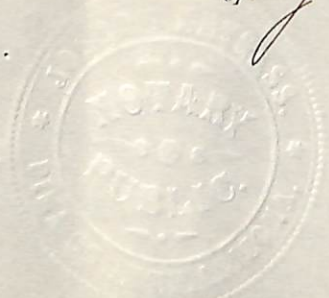
claimed by the Esperanza Mining and Milling Co. located in Pima Mining District, Pima County, Arizona, as are represented in the foregoing field-notes as having been surveyed under my directions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the instructions furnished me, and that the foregoing are the true and original field notes of such surveys.

L. D. Chillson Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 31<sup>st</sup> day of January 1881

[Signature]  
Notary Public  
Pima County

Citizen Print.





AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, Lucret F. Fris and Homer E. Sager

of lawful age, being first duly sworn according to law, depose and say that we are acquainted with the Esperanza Mining Claim  
mining claim, situate in Pima

Mining District, Pima County, Arizona

Territory, for which J. H. Olds Agt. for the Esperanza Mining and Milling 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 applicants and grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

Lucret F. Fris  
Homer E. Sager

TERRITORY OF ARIZONA, }  
County of Pima } SS.

SWORN AND SUBSCRIBED before me this 29<sup>th</sup>  
day of January 1881

L. D. Chilson  
Notary Public  
Pima Co. Ariz.



Testimony taken relative to the original location monuments of the Esperanza Mine  
 T. G. Rusk first being duly sworn deposes and says in answer to ques-  
 -tions as follows viz:

Q Where do you live?

A I live in Tucson.

Q What is your occupation?

A I am a Miner.

Q Do you know the locality of the Esperanza Mining Claim?

A I do.

Q Who was the original locator of said claim?

A I was; My Nephew J. G. Rusk and Leonard Salsent.

Q When was said claim located?

A In February 1878.

Q Was the proper number (6) of monuments built at the time the location was made?

A There was.

Q Who built the location monuments of the Esperanza claim?

A My Nephew, and Leonard Salsent

Q How do you know the proper number of monuments were built?

A I was there and saw my Nephew <sup>and Leonard Salsent</sup> build them.

Q Is this the <sup>original</sup> monument built for the S. westerly end center monument of the Esperanza claim?

A It is

Q Is this the original monument built for the



A N. Westerly ear, of said claim?

A It is.

Q Is this the original monument built for the N. Easterly ear, of said claim?

A It is.

Q Is this the original monument built for the North Easterly end center of said claim?

A It is.

Q Is this the original monument built for the S. Easterly ~~end~~ ear, of said claim?

A It is.

Q Is this the original monument built for the S. Westerly ear, of said claim?

A It is.

Q By what evidence do you know these monuments to be the original monuments that were built at the time of locating the claim?

A By having been upon the ground so often and so many times since the location, that I have become perfectly familiar with the looks of the monuments and the face of the immediate surroundings.

J. G. Ruske

Subscribed and sworn to before me this twenty ninth day of January 1881.

I. D. Hillson

Notary Public  
Pima Co. A. T.



"Esperanza Mine."

Notice of Location:- Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress, approved May 10 1872, this day located and claim fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz and - feet in width on each side of the middle of said lead, lode or vein, situate in the Pimo Mining District, County of Pimo, Arizona, and more particularly described as follows, to wit: Commencing at this monument of stone being the center of the West end of claim and upon which this notice is posted; thence three hundred feet to a monument of stones; thence fifteen hundred feet to a monument of stones; thence three hundred feet to a monument of stones, being the center of east end of claim; thence three hundred feet to a monument of stones; thence three hundred feet to the place of beginning. This claim is situated in the Sireter mountains, on the East end and about to miles north of the Tanaca mountain, and South of Copper Creek one an half miles, and shall be known as the Esperanza Mine. Located February 1<sup>th</sup> 1879.

Green Rust  
J. G. Rust  
Leonardo Sansuet.



Filed and recorded at request of J. G. Rust  
Feb. 19, 1879, at 11. A. M.

S. W. Carpenter, County Recorder  
By W. A. Mc Dermott, Deputy, County Recorder.

Territory of Arizona }  
County of Pima } ss.

I, Chas. R. Drake, County Recorder in and for the County and Territory aforesaid, certify that the above and foregoing is a full, true and correct copy of the Location Notice of the Esperanza mine, as appears of record now in my Office in Book I of Mining Records, Pages 126 + 127.

In Witness Whereof, I have hereunto set my hand and affixed my official Seal, this the twenty seventh day of January A. D. 1881.



Chas R Drake  
County Recorder.



"Esperanza Mine"

Notice of Location: - Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress of 10th of May 1872 this day located and claim fifteen hundred linear feet along the course of this lead lode or vein of mineral bearing quartz and - feet in width - on each side of the middle of said lead lode or vein, situated in the Pima Mining District County of Pima Arizona and more particularly described as follows to wit: - Commencing at this monument of stone being the center of the West-end of claim and upon which this notice is posted, thence three hundred feet to a monument of stone thence fifteen hundred feet to a monument of stone thence three hundred feet to a monument of stone being the center of East-end of claim, thence three hundred feet to monument of stone, thence three hundred feet to the place of beginning.

This claim is situated in the Sierra Mountains on the East End and about 10 Miles North of the Sanaca Mountain and South of Coopers Creek one and half Miles. and shall be known as the Esperanza Mine. Located February 7<sup>th</sup> 1879

Gene Ruck  
 T G Ruck  
 Leonardo Sandoz



CA

Recorder's Office,  
TUCSON. - - Pima Co., A. T.

Filed and recorded at request of

Dr J. H. Olds

July 31<sup>st</sup> A. D. 1881,

at 935 a M

Book I Rec of Pima

Pages 714 & 715 & 716.

W. R. Drake

County Recorder.



Now in order to further conform to the requirements of Dec 27 24 Revised Statutes the above notice of location is hereby amended as follows to wit: The <sup>original</sup> initial Monument upon which this notice is posted it being the center of the South Westery End of Claim is situated on Eastern side of river running in a Southern direction at a point four miles to the U.S. Mineral Monument No 1 bearing N 25° 15' W 2238 feet circles distant and running from thence North Westery three hundred feet to a Monument of Stone thence North Eastery fifteen hundred feet to a Monument of Stone thence South Eastery three hundred feet to a Monument of Stone it being the center of the North Eastery End of Claim thence South Eastery three hundred feet to a Monument of Stone thence South Westery fifteen hundred feet to a Monument of Stone thence North Westery three hundred feet to the place of beginning

Esperanza Mining & Milling Co  
 January 25 - 1881 } By J. H. Olds. Agt.



U. S. Surveyor General's Office.

Tucson, Arizona, February 5, 1881

The foregoing field notes of the survey of the Esperanza  
Mining Claim situate in  
the Pima Mining District, Pima  
County, Arizona, claimed by the Esperanza Mining  
and Milling Company  
survey executed by J. L. D. Chilson 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 Mason.

Surveyor General.



