

MINERAL SURVEY No. 3858.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

JOHN A. LONG,

KNOWN AS THE

EMMA LODE,

Made under regulations under the Act of June, 30, 1919, as amended March 3rd, 1921.

Navajo Indian Reservatio, Crawford, Mining District,

Apache County, Arizona.

Approx. Section 12 35, Township 13 14 N., Range 7 8 W. Navajo Base & Mer. Unsur.

Surveyed under instructions dated July, 3rd., 1922.

by Allison L. Progers U. S. Mineral Surveyor.

Claim located See location notice attached 19

Survey commenced July, 14th., 1922.

Survey completed Aug., 15th., 1922.

Address of claimant John A. Long, Farmington, N.M.

DATES OF AMENDED LOCATIONS.



Feet.

## MINERAL SURVEY NO.3858.

## EMMA LODE.

Beginning at Cor.No.1,

Identical with Cor.No.1 of the original location.

A hewn pinon post,3 ft.6 ins.long,8 ins.square, set 20 ins.in the ground,surrounded by a mound of earth and stone,scribed 1-E,3858, whence,

A cedar tree,14 ins.in diameter,blazed and scribed B.T.+ 1-E.,3858,bears N.38°18'E. 81.57 ft.

U.S.M.M.No.1,bears N.50°20'41"E.5924.58 ft.

THENCE,S.22°35'W.

VAR.15°25'E.

1500.00

To Cor.No.2,

Identical with Cor.No.2 of the original location.

A hewn pinon post,4 ft.long,5 ins.square, set 20 ins.in the ground,surrounded by a mound of earth and stone, scribed 2-E.,3858,whence,

A cedar tree,5 ins.in diameter,blazed and scribed B.T.+ 2-E.,3858,bears S.61°22'E. 18.55 ft.

Cor.No.4,Sur.No.3703,Martin lode,J.L.Wade,John F.Wade and Charles Snell,claimants,bears S.8°02'W.614.07 ft.

THENCE,N.67°25'W.

VAR.15°25'E.

300.00

To south end center,

Identical with the south end center of the original location.

A hewn cedar post,4 ft.long,5 ins.square, set 2 ft.in the ground,surrounded by a mound of earth and stone,scribed E.C.E.-3858.

600.00

To Cor.No.3,

Identical with Cor.No.3 of the original location.

A hewn pinon post,3 ft.6 ins.long,6 ins.square, set 18 ins.in the ground,surrounded by a mound of earth and stone scribed,3-E.,3858, whence,

A cedar tree,12 ins.in diameter,blazed and scribed B.T.+ 3-E.,3858,bears S.18°31'E.33.60 ft.

THENCE,N.22°35'E.

VAR.15°25'E.



Feet. MINERAL SURVEY NO.3858.(Continued.)

EMMA LODE,(Continued.)

1500.00 To Cor.No.4,  
 Identical with Cor.No.4 of the original location.  
 A hewn pinon post,4 ft.long,7 ins.square,set 2 ft.in  
 the ground,surrounded by a mound of earth and stone,  
 scribed 4-E.,3858, whence,  
 A pinon tree,14 ins.in diameter,blazed and scribed B.T.  
 + 4-E.,3858,bears N.42°29'E.201.50'ft.  
 THENCE,S.67°25'E.  
 VAR.15°25'E.

300.00 To north end center,  
 Identical with the north end center of the original  
 location.  
 A hewn cedar post,4 ft.long,5 ins.square,set 2 ft.in  
 the ground,surrounded by a mound of earth and stone,  
 scribed, E.C.E.-3858, whence,  
 The location monument,Emma lode, bears S.22°35'W.222 ft.

600.00 To Cor.No.1,the place of beginning.

LODE LINE.

As near as can be determined from present development  
 the vein of the location embraced in this claim extends  
 as follows from its discovery cut;

Emma lode,222 ft.running N.22°35'E.and 1278 ft.running  
 S.22°35'W.

AREA.

Total area Emma lode, 20.661 acres.

LOCATION.

As near as can be determined from the present condition  
 of the Public Survey,this survey is located in section  
 12 13 8 & Mer,  
 33,township 14 N.R.7 W.,Navajo Base Line,upon the Navajo  
 Indian Reservation,on the northwesterly slope of the  
 Carriso mountains. The approximate latitude is 36°55'N.,  
 and the approximate longitude is 109°12'W.

INSTRUMENT.

The instrument used in making this survey was a C.L.  
 Berger and Sons Mining Transit.



The courses were deflected from the true meridian as determined by direct solar observations.

The distances were measured with a five hundred foot steel tape.

REPORT.

The lode line of the location embraced in this survey was run directly upon the ground, and the several corners established by means of offsets from the lode line.

Survey No. 3703, Martin lode.

Cor. No. 4 of the Martin lode was found to be a pinon post, 6 ins. square, projecting 2 ft. above the ground and scribed 4-M., 3703.

U.S.M.M. No. 1.

U.S.M.M. No. 1 was found to be a sandstone, 8 ins. by 20 ins. square, projecting 1 foot above the ground, chiseled with a + on top and U.S.M.M. No. 1, -PRESTON on the east face.

Diligent search and extensive inquiry was made for corners of the Public Survey within a radius of several miles of said claim, but there are apparently none to be found. As these corners are purported to have been established some fifty years ago, it is quite probable that if any remain standing they have been buried by the shifting sands of this region.

ADJOINING CLAIMS.

None.



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Allison L. Kroeger, United States 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 John A. Long, known as the Emma Lode, and showing the respective capacities in which they acted.

- Joseph H. Clark, Chainman.
Chainman.
Arman.
Flagman.

FINAL OATHS OF ASSISTANTS.

We I, Joseph H. Clark, and Allison L. Kroeger, do solemnly swear that we assisted in marking the corners and surveying the boundaries of the mining claim of John A. Long, known as the Emma lode, represented in the foregoing field notes as having been surveyed by said 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 Arizona,

- Joseph H. Clark, Chainman.
Chainman.
Arman.
Flagman.

Subscribed and sworn to by the above-named persons before me this 28th day of September, 1922

Harley S. Hubbard
Notary Public



# FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Allison L. Kroeger., U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the United States  
Surveyor General for Arizona, dated  
July, 3rd, 1922, 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 John A. Long.

....., known as the  
Emma lode.

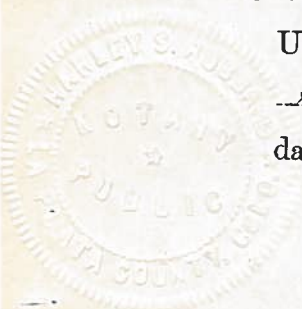
situate in Navajo Indian Reservation, Crawford Mining District,  
Apache County, Arizona, in Section

Approx: <sup>12</sup>~~35~~ Township No. <sup>13</sup>~~14~~ N., Range No. <sup>8</sup>~~7~~ W., Navajo Base line, & Mer.  
Unsur. and designated as Survey No. 3858, 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 per-  
petuated in strict accordance with the law, official regulations and instructions there-  
under; 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 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.~~

*Allison L. Kroeger*  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Allison L. Kroeger  
U. S. Mineral Surveyor, before me A. Notary Public  
in and for La Plata County, Colo. this 28<sup>th</sup>  
day of September, 19 22



Harley S. Hubbard  
Notary Public



U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

November 10, 1922

I, U. S. Surveyor-General for District of Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

John A. Long

known as the Emma Lode

situate in Navajo Indian Reservation, Crawford

Mining District, Apache County, Arizona, Approx.

in Section 12, Township No. 13 N., Range No. 8 W., Navajo B&M, and

designated as Survey No. 3858, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or grantors, and that said improvements consist of

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona, is correct and in conformity with the foregoing Field Notes.

Frank P. Trott

United States Surveyor-General for 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

November 10, 1922

I, U. S. Surveyor General for District of Arizona

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

John A. Long

, known as the

EMMA Lode

situate in Navajo Indian Reservation, Crawford mining district,

Apache County, Arizona

in Section Approx. 12, Township No. 13 N., Range No. 8 W., N.B. & M., Unsur.

, designated as Survey No. 3858

executed by Allison L. Kroeger, U. S. Mineral

Surveyor, July 14 - August 15, 1922, under my instructions dated

July 3, 1922, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.



U. S. Surveyor General for Arizona.



UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)  
BUREAU OF LAND MANAGEMENT M.S. 3858  
ARIZONA STATE OFFICE

---

NOTICE OF CANCELLATION OF MINERAL SURVEY

The EMMA lode, Mineral Survey No. 3858, located in approx. section 12, Township 13 North, Range 8 West (unsurveyed), Navajo Base and Meridian, Arizona, (approx. sections 12 and 13, Township 40 North, Range 28 East (unsurveyed), Gila and Salt River Meridian, Arizona), is hereby canceled.

This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"EMMA lode, M.S. 3858, was canceled April 12, 2006, by memo 9605 (956) M.S. 3858, which is now a part of the original field notes."

April 12, 2006  
Date

Stephen K. Hansen  
Chief Cadastral Surveyor of Arizona