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Item 10

SURVEY
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MINERAL SURVEY No. 4209.

LOT No.

Carson City

Land District.

## FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Emma L. Gold Mining and Milling Company.

KNOWN AS THE

Emma L and South Emma Lodes

White Horse

Mining District.

Washoe

County.

Nevada

Sections 15-16 & 21 Township 21 N Range 23 East

Surveyed under instructions dated February 3rd 1914

by

T. A. STEWART

U. S. Mineral Surveyor

Claim located September 1-1893 January 2 1905.

Survey commenced February 12th 1914.

Survey completed February 14th 1914.

Address of Claimant

Chas. T. Washem Attorney

Wadsworth,

Washoe County,

Nevada.

see map in map files



SURVEY NO. 4209.

Continued.

SOUTH EMMA LODE.

Continued.

FEET

Thence N. 22° 09' 28" E. ✓

1488.5 ✓ To Cor. No. 1 the place of beginning.

-----  
Variation at all corners 18°30' E.  
-----

## LODE LINE.

As near as can be determined from present developments the vein of the locations embraced in this claim extends as follows from their respective locations.

Emma L. lode 1492.5 ft. ✓ N. 38° 16' E. to a point on line 2 - 3 at 300 ft. from Cor. 2 and 1. ft. ✓ S. 38° 16' W. to a point on line 1-4, 300 ft. from Cor. No. 1.

South Emma Lode 1487.1 ft. ✓ S. 22° 09' 28" W. to a point on line 3-4 at 276 ft. from Cor. No. 3 and 1.5 ft. ✓ N. 22° 09' 28" E. to point on line 1-2 300 ft. from Cor. No. 1.

## AREA.

Acres

Total Area Emma L. Lode

20.276 ✓

Total Area South Emma Lode

19.506 ✓

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LOCATIONS CORNERS.

All Corners of the locations are marked by pine posts 4 x 4 x 36 ins. above ground set in the ground with mounds of earth and stone marked with name of claim and Number of Corner and are identical with the original corners of the location as staked upon the ground.

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LOCATION

This Survey is located in the N. 1/4 Section 15 and S. 1/4 Sec. 16 and N.E. 1/4 of Sec. 21, in T. 21 N. R. 23 E., M.D. 2. S. M.

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EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of each of the locations embraced in said mining claims by the claimant or its grantors is not less than five hundred dollars and that said improvements consist of:

No. 1. The discovery shaft of the Emma L. Lode the N.E.



## SURVEY NO. 4209.

## SOUTH EMMA LODE.

## FEET

Beginning at Cor. No. 1 identical with Cor. No. 1 Emma  
L. Lode of this survey

The  $\frac{1}{4}$  Section Cor. between Sections 15 and 16 of T. 21 N.  
R. 23 E. M.D.B. and M. bears N.  $5^{\circ} 28' 30''$  E. 1040.5 ft.

-----  
Thence S.  $56^{\circ} 45'$  E.

118.7/ Intersect E. boundary of Section 16 at S. 1101 ft. from  
the  $\frac{1}{4}$  Cor. between Secs. 15 & 16

587.3/ To Cor. No. 2 identical with Cor. No. 4 Emma L. lode  
this Survey.

-----  
Thence S.  $22^{\circ} 35' 07''$  W.

1020.4/ Intersect E. boundary Sec. 16 at S. 2300.1 ft. from  $\frac{1}{4}$   
Sec. Cor. between Secs. 15 and 16.

1447.5/ Intersect S. boundary of Sec. 16 at W. 164.3 ft. from  
S.E. Cor. said Section

1486.5/ To Cor. No. 3.

A pine post  $4\frac{1}{2}$  ft. long 4 ins. square set 18 ins. in the  
ground with mound of stone and earth scribed, South  
Emma-3-4209.

-----  
Thence N.  $56^{\circ} 45'$  W.

65.4/ Intersect S. boundary of Sec. 16 at W. 234 ft. from S.E.  
Cor. of said Section.

576.00/ To Cor. No. 4

A pine post  $4\frac{1}{2}$  ft. long 4 ins. square set 18 ins. in  
the ground with mound of stone and earth, scribed South  
Emma 4-4209.

## FEET

1488.5/ To Cor

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Sec. 1

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No. 1.



## SURVEY NO. 4209.

## EMMA L. LODE.

## FEET

Beginning at Cor. No. 1.

A pine post  $4\frac{1}{2}$  ft. long 4 ins. square set 18 ins. in the ground with mound of earth and stone, scribed Emma L 1-4209, South Emma 1-4209, whence

The  $\frac{1}{2}$  section Cor. between Secs. 15 & 16 of T. 21 N.R. 23 E. M.D.B. & M. bears N.  $5^{\circ} 28' 30''$  E. 1040.5 feet.

-----  
Thence N.  $38^{\circ} 16'$  E.

160.3 ✓ Intersect W. boundary Section 15 at S. 909.9 ft. from the  $\frac{1}{2}$  Sec. Cor. between Secs. 15 & 16

1493.5 ✓ To Cor. No. 2

A pine post  $4\frac{1}{2}$  ft. long 4 ins. square set 18 ins. in the ground with mound of stone and earth, scribed Emma L. 2-4209.

-----  
Thence S.  $56^{\circ} 45'$  E.

600.00 ✓ To Cor. No. 3.

A pine post  $4\frac{1}{2}$  ft. long 4 ins. square set 18 ins. in the ground with mound of stone and earth scribed Emma L 3-4209.

-----  
Thence S.  $38^{\circ} 45' 06''$  W.

1494.7 ✓ To Cor. No. 4.

A pine post  $4\frac{1}{2}$  ft. long 4 ins. square set 18 ins. in the ground with mound of stone and earth, scribed Emma L 4-4209, South Emma 4-4209.

-----  
Thence N.  $56^{\circ} 45'$  W.

468.6 ✓ Intersect W. boundary of Section 15 at S. 1101 ft. from the  $\frac{1}{2}$  Sec. Cor. between Sections 15-16.

587.3 ✓ To Cor. No. 1, the place of beginning.



## SURVEY NO. 4209. Continued.

## EXPENDITURE OF FIVE HUNDRED DOLLARS, Continued.

Cor. of which bears from Cor. No. 2 S.  $0^{\circ} 57'$  E. 480 ft.  
4 x 6 ft 60 ft. deep.

Value \$500.00

No. 2 A shaft the S.E. Cor of which bears from Cor. No.  
2 S.  $8^{\circ} 31'$  W. 433 ft. 4 x 8 160 ft. deep timbered,  
(with 427 ft of drifts and cross cut which on account  
of water I was unable to measure).

Value of Shaft \$1600.00

No. 3 A tunnel the mouth of which bears from Cor. No.  
2 Emma L. Lode S.  $4^{\circ} 02'$  W. 320 ft 4 x 7 running S.  $15^{\circ}$   
 $30'$  E. 300 ft. (with drifts and cross cut estimated at  
554<sup>ft.</sup> which we were unable to measure on account of  
water).

Value of 300 ft. Tunnel \$3000.00

No. 4 A shaft the N.W. Cor. of which bears from Cor.  
No. 1 Emma L. Lode N.  $50^{\circ} 30'$  E. 642 ft. 4 x 6 x 10  
deep

Value \$100.00

No. 5 A shaft the N.W. Cor. of which bears from Cor.  
No. 1 N/  $56^{\circ} 25'$  E. 516 ft. 4 x 8 x 16 deep

Value \$160.00

No. 6 Surface excavation which bears from Cor. No. 3 N.  
 $71^{\circ} 50'$  W. 284 ft. 12 x 4x6 ft. deep

Value \$60.00

No. 7 Surface Excavation the S.W. end of which bears  
from Cor. No. 2 Emma L. Lode S.  $1^{\circ} 30'$  E. 483 ft. 3 ft.  
wide 4 ft. deep extending N.  $40^{\circ}$  E 190 ft.

Value \$80.00

No. 1 Discovery cut of South Emma lode the center of  
which bears from Cor. No. 2 S.  $83^{\circ} 20'$  W. 322 ft.  
4 x 6 ft 10 ft. deep

Value \$100.00

No. 2 A tunnel the month of which bears from Cor. No.  
4 S.  $78^{\circ} 05'$  E. 226 ft. 4 x 6 ft. running N.  $59^{\circ} 30'$  W.  
29 ft. to face.

Value \$290.00



SURVEY NO. 4209. Continued.

EXPENDITURE OF FIVE HUNDRED DOLLARS, Continued.

No. 3 A shaft which bears from Cor. No. 2 S.  $68^{\circ} 59'$  W.  
299 ft. 4 x 6 ft. 50 ft. deep.

Value \$500.00

No. 4 a surface excavation the east end of which bears  
from Cor. No. 2 South Emma Lode, S.  $67^{\circ} 40'$  W. 210 ft.  
5 x 13 ft. 6 ft. deep

Value \$75.00

No. 5 A surface excavation the W. end of which bears  
from Cor. No. 2 South Emma Lode S.  $58^{\circ}$  W. 239 ft. 8 x 6  
ft. 12 ft. deep

Value \$120.00

No. 6 A shaft the N.E. Cor. of which bears from Cor. No.  
1 South Emma Lode S.  $47^{\circ} 30'$  E. 104 ft 4 x 6 ft. 16 ft.  
deep.

Value \$160.00

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OTHER IMPROVEMENTS.

A Quartz Mill the N.W. Cor. of which bears from Cor. No.  
2 Emma L. lode S.  $36^{\circ} 05'$  W. 276 ft. 32 x 56 course of  
long side S.  $49^{\circ} 30'$  E.

A Hoist and shop the N.E. Cor. of which bears from Cor.  
No. 2 of Emma L. lode S.  $4^{\circ} 32'$  W. 438 feet course of  
long side S.  $50^{\circ}$  E.

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INSTRUMENT

This Survey was made with a Lietz Transit the Corners  
were deflected from the true Meridian as determined by  
direct solar observation.

The distances were measured 100 ft. and 300 ft Steel  
tapes.

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REPORT.

The lode line of each location of this claim was run  
directly upon the ground and the several corners estab-  
lished by means of offsets from the lode lines, all



SURVEY NO. 4209.  
REPORT.

Continued.  
Continued.

the lines were run directly upon the ground.

The  $\frac{1}{4}$  section Corner between Sections 15 and 16 is a  
Andesite Stone with  $\frac{1}{4}$  chiseled on West face and mound  
of stone west of corner near it are two witness trees  
blazed and scribed  $\frac{1}{4}$  S. 16 B.T. This is the nearest  
standing corner of the public survey that can be found and  
identified on account of snow drifts.

FINAL

I. Thomas  
do solemnly swear  
Surveyor General  
February 3,  
United States,  
of said Surveyor  
Claim of Emma

Emma L. and  
situate in White  
Tashoe

15-16-21 .7  
and designated  
in the foregoing  
as distinctly man  
of the location o  
said instructions  
petuated in stric  
under; and I do  
field notes of s  
improvements m  
are as therein fo  
thereof are speci  
said labor or imp  
of expenditures u

Subscribed a  
U. S. Min  
day of



4-680.

## FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Thomas K. Stewart, U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the United States  
Surveyor General for Nevada, dated  
February 3, 1914, 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 Emma L. Gold Mining and Milling Company.  
....., known as the  
Emma L. and South Emma Lodes,  
situate in White Horse Mining District,  
Washoe County, Nevada, in Sections  
15-16-21, Township No. 21 N., Range No. 23 East, M.D.B. & M.,  
and designated as Survey No. 4209, 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 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.

Thomas K. Stewart  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Thomas K. Stewart  
U. S. Mineral Surveyor, before me a Notary Public in &  
for Washoe County, Nevada this 16th  
day of Febry., 1914

C. H. Jones  
Notary Public

My commission expires July 20, 1916.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Thomas K. Stewart  
 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 Emma L.  
Gold Mining and Milling Company.  
 known as the Emma L. and South Emma lodes  
 and showing the respective capacities in which they acted.

R. M. Stewart....., Chairman.  
 ..... , Chairman.  
 ..... , Arman.  
 ..... , Flagman.

## FINAL OATHS OF ASSISTANTS.

I, R. M. Stewart  
 ..... , do solemnly swear that I assisted Thomas  
K. Stewart....., United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Emma L. Gold Mining and Milling Company.  
 known as the Emma L. and South Emma Lodes  
 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 my 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 Nevada.

R. M. Stewart....., Chairman.  
 ..... , Chairman.  
 ..... , Arman.  
 ..... , Flagman.

Subscribed and sworn to by the above-named persons before me this 26th  
 day of February, 1914

C. H. Hoar  
Notary Public  
My commission expires July 20, 1916.



4-657.

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

**Department of the Interior,**

OFFICE OF U. S. SURVEYOR-GENERAL,

.....Reno, Nevada,.....

.....June 1, 1914-----, 190

I, U. S. Surveyor-General for.....Nevada.....

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the  
Mining Claim of.....Emma L. Gold Mining and Milling Company.....

....., known as the

.....Emma L. and South Emma Lodes.....

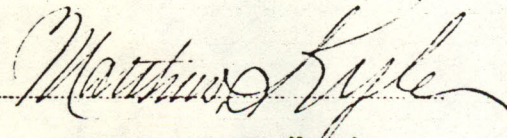
situate in.....White Horse..... mining district,

Washoe..... County,..... Nevada

in Section15, 16 and 21....., Township No. ....21 N...... Range No. 23 E., M., D., B.  
and M......, designated as Survey No. 4 2 0 9

executed by.....Thomas K. Stewart..... U. S. ~~Survey~~ Mineral  
Surveyor,..... February 12-14, 1914-----, 190

February 3, 1914-----, 190, 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 include d in the field notes.

  
U. S. Surveyor-General for.....Nevada.....



4-638.

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

## Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Reno, Nevada,June 1, 1914-----, 190.I, U. S. Surveyor-General for Nevadado hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Emma L. Gold Mining and Milling Companyknown as the Emma L. and South Emma Lodessituate in White HorseMining District, Washoe County, Nevadain Section 15, 16 and 21 Township No. 21 N., Range No. 23 E., M.D.B. and M. and designated as Survey No. 4209, 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 improved for each location of  
 improvements made upon said mining claim by claimant or its grantors, and that said improvements consist of 6 shafts, 2 tunnels, 1 cut and 4 surface excavations  
Valued at \$6,845.00

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 Carson City,  
Nevada

is correct and in conformity with the foregoing Field Notes.

*Matthews Kyle*

United States Surveyor-General for Nevada.

HR  
 22



Carson City 08692.

# The United States of America,

To all to whom these presents shall come, Greeting:


WHEREAS, in pursuance of the provisions of the Revised Statutes of the United States, Chapter Six, Title Thirty-two, and legislation supplemental thereto, there have been deposited in the General Land Office of the United States the Plat and Field Notes of Survey and the Certificate of the Register of the Land Office at Carson City, Nevada, accompanied by other evidence whereby it appears that The "Emma L." Gold Mining and Milling Company

has entered and paid for the Emma L. and South Emma lode mining claims,

designated by the Surveyor General as Survey No. 4209, embracing a portion of Sections fifteen, sixteen, and twenty-one in Township twenty-one north of Range twenty-three east of the Mount Diablo Meridian, in the White Horse Mining District, Washoe County, Nevada,

and bounded, described, and platted as follows: Beginning for the description of the Emma L. lode claim at corner No. 1, a pine post four and one-half feet long, four inches square, marked Emma L. 1-4209 and South Emma 1-4209, with mound of earth and stone, from which the quarter corner to Sections fifteen and sixteen in Township twenty-one north of Range twenty-three east of the Mount Diablo Meridian bears north five degrees twenty-eight minutes thirty seconds east one thousand forty and five-tenths feet distant;

Thence, first course, north thirty-eight degrees sixteen minutes east one thousand four hundred ninety-three and five-tenths feet to corner No. 2, a pine post four and one-half feet long, four inches square, marked Emma L. 2-4209, with mound of earth and stone;

Thence, second course, south fifty-six degrees forty-five minutes east  hundred feet to corner No. 3, a pine post four and one-half feet long, four inches square, marked Emma L. 3-4209, with mound of earth



and stone;

Thence, third course, south thirty-eight degrees forty-five minutes six seconds west one thousand four hundred ninety-four and seven-tenths feet to corner No. 4, a pine post four and one-half feet long, four inches square, marked Emma L. 4-4209, South Emma 4-4209, with mound of earth and stone;

Thence, fourth course, north fifty-six degrees forty-five minutes west two hundred eighty-seven and three-tenths feet to a point from which location monument bears north thirty-eight degrees sixteen minutes east one foot distant; five hundred eighty-seven and three-tenths feet to corner No. 1, the place of beginning; the survey of the lode claim as above described extending one thousand four hundred ninety-three and five-tenths feet in length along said Emma L. vein or lode;

Beginning for the description of the South Emma lode claim at corner No. 1, identical with corner No. 1 of said Emma L. lode claim;

Thence, first course, south fifty-six degrees forty-five minutes east three hundred feet to a point from which location monument bears south twenty-two degrees nine minutes twenty-eight seconds west one and five-tenths feet distant; five hundred eighty-seven and three-tenths feet to corner No. 2, identical with corner No. 4 of said Emma L. lode claim;

Thence, second course, south twenty-two degrees thirty-five minutes seven seconds west one thousand four hundred eighty-six and five-tenths feet to corner No. 3, a pine post four and one-half feet long, four inches square, marked South Emma 3-4209, with mound of stone and earth;

Thence, third course, north fifty-six degrees forty-five minutes west five hundred seventy-six feet to corner No. 4, a pine post four and one-half feet long, four inches square, marked South Emma 4-4209,



with mound of earth and stone;

Thence, fourth course, north twenty-two degrees nine minutes twenty-eight seconds east one thousand four hundred eighty-eight and six-tenths feet to corner No. 1, the place of beginning; the survey of the lode claim as above described extending one thousand four hundred eighty-eight and six-tenths feet in length along said South Emma vein or lode; the premises, herein granted, containing thirty-nine and seven hundred eighty-two-thousandths acres.



NOW KNOW YE, That there is therefore, pursuant to the laws aforesaid, hereby granted by the United States unto the said  
 The "~~Emma~~ L." Gold Mining and Milling Company

the said mining premises hereinbefore described, and not expressly excepted from these presents, and all that portion of the said veins, lodes, or ledges, and of all other veins, lodes, and ledges throughout their entire depth, the tops or apexes of which lie inside of the surface boundary lines of said granted premises in said survey extended downward vertically, although such veins, lodes, or ledges in their downward course may so far depart from a perpendicular as to extend outside the vertical side lines of said premises: Provided, That the right of possession to such outside parts of said veins, lodes, or ledges shall be confined to such portions thereof as lie between vertical planes drawn downward through the end lines of said survey so continued in their own direction that such planes will intersect such exterior parts of said veins, lodes, or ledges: And provided further, That nothing herein contained shall authorize the grantee herein to enter upon the surface of a claim owned or possessed by another.

TO HAVE AND TO HOLD said mining premises, together with all the rights, privileges, immunities, and appurtenances of whatsoever nature thereunto belonging, unto the said grantee above named and to its successors and assigns forever; subject, nevertheless, to the above-mentioned and to the following conditions and stipulations:

FIRST. That the premises hereby granted shall be held subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights, as may be recognized and acknowledged by the local laws, customs, and decisions of the courts. And there is reserved from the lands hereby granted a right of way thereon for ditches or canals constructed by the authority of the United States.

SECOND. That in the absence of necessary legislation by Congress, the Legislature of Nevada may provide rules for working the mining claim or premises hereby granted, involving easements, drainage, and other necessary means to its complete development.

IN TESTIMONY WHEREOF, I, Woodrow Wilson

President of the United States of America, have caused these letters to be made, Patent, and the Seal of the General Land Office to be hereunto affixed.

GIVEN under my hand, at the City of Washington, the TWENTY-NINTH day of JANUARY In the year of our Lord one thousand nine hundred and SIXTEEN and of the Independence of the United States the one hundred and FORTIETH.

By the President:

By

*Woodrow Wilson*  
*M. P. Lee Roy* Secretary.  
*L. E. Lamar*  
 Recorder of the General Land Office.

RECORD OF PATENTS: Patent Number 510532