

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management

MINERAL SURVEY NO. 4317

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

A. G. Stevenson and W. R. Stevenson

Known As The

LAST CHANCE Mining Claim

Turquoise Mining District,

Cochise County, Arizona

Sections 16, 17, 20, 21, Township 19 S., Range 25 E., G. & S. M.

Surveyed under instructions dated January 27, 1948

by Ralph L. Motz  
Mineral Surveyor.

Claim located January 1, 1907

Survey commenced March 1, 1948

Survey completed March 3, 1948

Address of claimant's attorney, Anthony T. Deddens,  
Bisbee, Arizona.

DATES OF AMENDED LOCATIONS

January 12, 1948.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL-LAND OFFICE  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4219

Location of Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIMS OF

W. J. STEVENSON AND W. J. STEVENSON

Known as the

WEST END MINING CLAIM

TETONIAN

Mineral District

County

Section 12, T. 20 N., R. 10 W., Township 20 N., Range 10 W., G. 20 W.

Surveyed under instructions dated JANUARY 27, 1900

by H. J. STEVENSON  
Mineral Surveyor

Claim located January 1, 1900

Survey commenced January 1, 1900

Survey completed March 3, 1900

Address of claimant, H. J. STEVENSON, Helena, Montana

DATES OF AMENDED LOCATIONS

JANUARY 1, 1900

## Survey No. 4317

1.

This survey was made with a C.L. Berger & Sons precise transit, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored glass slide in a detachable prismatic eyepiece for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian as determined in Survey No. 2687 Germania Mine, which meridian was checked a number of times and was used by the Phelps Dodge Corporation for the basis of their triangulation system for their Courtland claims.

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape 25 feet in length, graduated to feet, inches and fractions of inches for the entire length; all tapes were compared to a Lufkin standard at the time of beginning the survey, and found correct.

All lines and connections of the survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 13° 00' East.

## Survey No. 4317

Feet

## LAST CHANCE LODGE

At Cor. No. 1 of the Last Chance lode, identical with Cor. No. 1 of Survey No. 2549 Nineteen Hundred Seven lode, with Cor. No. 2 of Survey No. 1970 Hard Up lode and situated on line 1-2 of Survey No. 1610 Tinhorn lode.

Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 12 ins. in the ground in a mound of rocks, mkd. LC-1-4317, 1907-1-2549, HU-2-1970; from which

The cor. of sec's. 16, 17, 20 and 21, T. 19 S., R. 25 E., G. & S.R.M., bears S. 40° 02' E., 229.6 ft. dist., an iron post, 2 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

A limestone ledge, 28x81 ins., 29 ins. above ground, bears S. 58° 50' W., 18.1 ft. dist., mkd. X BR LC-1-4317.

A limestone rock in place, 15x17 ins., 4 ins. above ground, bears S. 61° 22' E., 23.3 ft. dist., mkd. X BR LC-1-4317.

Thence N. 61° 25' E.

185.6 Lode line; discovery shaft bears S. 31° 28' E., 275 ft. dist.

300.4 Cor. No. 2, identical with Cor. No. 2 of Survey No. 2549 Nineteen Hundred Seven lode, Cor. No. 3 of Survey No. 1970 Hard Up lode and situated on line 4-1 of Survey No. 2687 Germania Mine.

2.

## Survey No. 4317

Feet

- Set an iron pipe, 1 1/2 ins. diam., 30 ins. long, 12 ins. in the ground in a mound of rocks, with brass cap, mkd. LC-2-4317, 1907-2-2549, HU-3-1970; from which
- Cor. No. 4 Sur. No. 2687 Germania Mine bears S. 49° 53' W., 113.6 ft. dist.
- A limestone ledge, 15x25 ins., 7 ins. above ground, bears S. 0° 30' W., 23.8 ft. dist., mkd. X BR LC-2-4317.
- A limestone ledge, 7x39 ins., 15 ins. above ground, bears S. 84° 32' E., 14.8 ft. dist., mkd. X BR LC-2-4317.
- Thence S. 35° 09' E.,
- 1459.8 Intersect line 1-2 Sur. No. 2625 Nineteen Hundred Seven No. 2 lode at a point from which Cor. No. 1 bears S. 54° 27' W., 394.8 ft. The intersection of line 1-2 Sur. No. 2625 Nineteen Hundred Seven No. 2 and line 3-4 Sur. No. 2687 Germania Mine bears S. 54° 27' W., 3.73 ft. dist. from this point.
- 1505.5 Intersect line 2-3 Sur. No. 2687 Germania Mine at a point from which Cor. No. 3 bears S. 49° 53' W., 0.3 ft. dist.
- 1508.0 Cor. No. 3, identical with Cor. No. 3 Sur. No. 2549 Nineteen Hundred Seven lode.
- Set an iron pipe, 1 1/2 ins. diam., 36 ins. long, 18 ins. in the ground, in a mound of stones, with brass cap mkd. LC-3-4317, 1907-3-2549; from which
- A limestone ledge, 24x48 ins., 28 ins. above ground, bears S. 2° 07' E., 7.5 ft., mkd. X BR LC-3-4317.
- A limestone ledge, 18x44 ins., 12 ins. above ground, bears N. 54° 31' W., 9.8 ft. dist., mkd. X BR LC-3-4317.
- Cor. No. 3 Sur. No. 2687 Germania Mine bears N. 39° 28' W., 2.5 ft. dist.
- Cor. No. 3 Sur. No. 2458 Fair View lode bears S. 74° 03' W., 109.44 ft. dist.
- The intersection of line 3-4 Sur. No. 2687 Germania Mine and line 1-2 Sur. No. 2625 Nineteen Hundred Seven No. 2 lode bears N. 39° 28' W., 48.31 ft. dist.
- Thence S. 61° 25' W.,
- 61.2 Intersect line 2-3 Sur. No. 2458 Fair View lode at a point from which Cor. No. 3 bears S. 89° 07' W., 51.5 ft. dist.
- 119.3 Intersect line 3-4 Sur. No. 2458 Fair View lode at a point from which Cor. No. 3 bears N. 1° 00' W., 27.0 ft. dist.
- 210.8 Lode line; discovery shaft bears N. 31° 28' W., 1225.0 ft. dist.
- 397.4 Cor. No. 4, identical with Cor. No. 4 Sur. No. 2549 Nineteen Hundred Seven lode and Cor. No. 1 Sur. No. 2625 Nineteen Hundred Seven No. 2 lode and situated on line 1-2 Sur. No. 1610 Head Center lode.

## Survey No. 4317

3.

Feet

Set an iron pipe, 1 1/2 ins. diam., 36 ins. long, 12 ins. in the ground to bed rock, in a mound of stones, with brass cap mkd. LC-4-4317, 1907-4-2549, NHS 2-1-2625; from which

The south end of a limestone ledge 60x192 ins., 12 ins. above ground, bears N. 42° 25' W., 27.7 ft., mkd. BR X LC-4-4317.

A limestone ledge 19x33 ins., 10 ins. above ground, bears N. 33° 20' E., 16.1 ft. dist., mkd. X BR LC-4-4317.

Thence N. 30° 43' W.

948.2

Cor. No. 5, identical with Cor. No. 5 Sur. No. 2549 Nineteen Hundred Seven lode, Cor. No. 1 Sur. No. 1610 Head Center lode and Cor. No. 2 Sur. No. 1610 Tinhorn lode.

Set an iron pipe, 1 1/2 ins. diam., 33 ins. long, 16 ins. in the ground, in a mound of stones, with brass cap mkd. LC-5-4317, 1907-5-2549, HC-1-T-2-1610; from which

A limestone ledge 10x40 ins., 32 ins. above ground, bears N. 48° 35' W., 19.6 ft. dist., mkd. BR X LC-5-4317.

A limestone ledge 48x76 ins., 46 ins. above ground, bears S. 31° 02' E., 11.3 ft. dist., mkd. X BR LC-5-4317.

Thence N. 32° 46' W.

552.0

Cor. No. 1, and place of beginning.

## AREAS

Total area, Last Chance lode

Acres  
11.784

Area in conflict with-

Sur. No. 2549 Nineteen Hundred Seven lode  
(Claims identical)

11.784

Sur. No. 2687 Germania Mine

1.961

Sur. No. 2687 Germania Mine, exclusive of its conflict with Sur. No. 2625 Nineteen Hundred Seven No. 2 lode

1.959

Sur. No. 2458 Fair View lode

0.016

Sur. No. 2625 Nineteen Hundred Seven No. 2 lode

0.218

Sur. No. 2625 Nineteen Hundred Seven No. 2 lode exclusive of its conflict with:

(1) Sur. No. 2458 Fair View lode

0.202

(2) Sur. No. 2687 Germania Mine lode

0.216

(3) Surs. Nos. 2458 and 2687 Fair View and Germania Mine lodes

0.200

## LOCATION

This survey is located in the SW 1/4 sec. 16, SE 1/4 sec. 17, NE 1/4 sec. 20, and NW 1/4 sec. 21 of T. 19 S., R. 25 E., of the Gila and Salt River Meridian.

The survey of the Last Chance lode is identical with the amended location as marked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of this lode location by the claimants or their grantors are as follows:

- No. 1 The discovery shaft of the Last Chance lode, the center of which being the discovery point, is on the lode line 275 ft. from the north end; 4x6 ft., 12 ft. deep. Value, \$100.
- No. 2 A shaft, the center of which bears S. 18° 55' E., 395 ft. from Cor. No. 2 Last Chance lode; 4x8 ft., 20 ft. deep. Value, \$200.
- No. 3 A shaft, the center of which bears S. 21° 30' E., 422 ft. from Cor. No. 2 Last Chance lode; 5x7 ft., 100 ft. deep, with drifts and stopes, now inaccessible. Value, \$2000.

OTHER IMPROVEMENTS

A cut 4 ft. wide, the mouth of which bears S. 67° 15' E., 200 ft. from Cor. No. 1 Last Chance lode; runs S. 40° W., 16 ft. to 10 ft. face and portal of tunnel, 4x7 ft. running S. 40° W., 18 ft. to breast.

A shaft, the center of which bears S. 64° 30' E., 228 ft. from Cor. No. 1 Last Chance lode; 4x7 ft., 8 ft. deep. Claimant of each unknown.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA.

Sur. No. 1610 Tinhorn lode: Cor. No. 1 is a 4x4 in. post, firmly set and properly marked. Cor. No. 2 was a 4x4 in. post which has been replaced with iron pipe as noted.

Sur. No. 1610 Head Center lode: Cor. No. 1 was a 4x4 in. post which has been replaced by an iron pipe as noted. Cor. No. 2 is a monument of stones, post missing. Line 1-2 Head Center lode and line 1-2 Tinhorn lode are approximately correct as approved.

Sur. No. 2458 Fair View lode: Cors. 2, 3 and 4 are monuments of rocks, posts missing. Lines 2-3 and 3-4 were found to be correct as approved.

Sur. No. 1970 Hard Up lode: Cors. 2 and 3 were 4x4 in. posts which have been replaced with iron pipes as noted.

Line 2-3 was found to be correct as approved.

Sur. No. 2625 Nineteen Hundred Seven No. 2 lode: Cor. No. 1 was a monument of rock, replaced by an iron pipe as noted. Cor. No. 2 is a monument of rocks, post missing. Line 1-2 was found to be correct as approved.

Sur. No. 2687 Germania Mine: Cors. 2 and 3 are monuments of rocks, posts missing. Cor. No. 4 is a 4x4 in. post, firmly set and properly marked. Cor. No. 1 is a 4x4 in. post firmly set and properly marked. Lines 2-3, 3-4 and 4-1 were found to be correct as approved.

FIELD ASSISTANTS

Charles Everett Waters - - - - - Chainman

Ellis B. Munson - - - - - Chainman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, Ralph L. Motz, Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral  
Engineer, at Phoenix, Arizona, dated January 27, 1948,  
I have, in strict conformity to the laws of the United States, the official regulations  
and instructions thereunder, and the instructions of said Office Cadastral Engineer,  
faithfully and correctly executed the survey of the mining claim of  
A. G. Stevenson and W. R. Stevenson, known as the  
Last Chance Mining Claim,  
situate in Turquoise Mining District,  
Cochise County, Arizona, in Section 8  
16, 17, 20, 21, Township No. 19 S., Range No. 25 E., G&SRM  
and designated as Survey No. 4517, 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 Office Cadastral Engineer  
with said instructions, and that all 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 im-  
provements made upon said mining claim by claimant or their  
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.

Ralph L. Motz  
(Mineral Surveyor)

Subscribed and sworn to by the said Ralph L. Motz

Mineral Surveyor, before me W. H. Miescher, Notary Public

this 4th

day of March, 1948

W. H. Miescher

Notary Public, in and for the County of  
Cochise, State of Arizona.

My commission expires Feb. 3, 1949.



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management.  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

March 19, 1948

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of A. G. Stevenson and W.R. Stevenson

....., known as the

LAST CHANCE MINING CLAIM

situate in Turquoise mining district,

Cochise County, Arizona

in Sections 16, 17, 20, 21, Township No. 19 South, Range No. 25 East

G. & S.R.M., designated as Survey No. 4317

executed by Ralph L. Motz, Mineral

Surveyor, March 1 to 3, 1948, under my instructions dated

January 27, 1948, 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.

*Frank M. Chapin*  
Office Cadastral Engineer.

