

MINERAL SURVEY No. 4191

ARIZONA Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

GEORGE H. FLAMMER

KNOWN AS THE

IDAHO lode

BIG BUG Mining District,

YAVAPAI County, ARIZONA

Section 20 13 N. 1 E. and 29 13 N. 1 E. Township Range

Surveyed under instructions dated Jan. 27, 1937 Amended order " Feb. 13, 1937

By J. WILLIAM WAARA U. S. Mineral Surveyor.

Claim located Jan. 1, 1893, 19

Survey commenced JAN. 29, 1937

Survey completed Feb. 15, 1937

Address of claimant is / Atty. in Fact, Dorothy M. Evans, Box 1548 Prescott, Arizona

DATES OF AMENDED LOCATIONS

Feb. 9, 1937.

MINERAL SURVEY NO. 4191

Mineral Survey No. 4191 was made with a Lietz Light Mountain transit No. 9503 Model No. 9, with horizontal limb 5 ins. diameter, having double opposite verniers, and full vertical circle 5 ins. diameter, having double opposite verniers; the horizontal verniers reading to thirty seconds of arc, and the vertical verniers reading to one minute of arc; the eye-piece is fitted to receive a prismatic eye-piece suitable for making direct observations upon the sun. This instrument is also equipped with a Saegmuller Solar attachment for making observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order. Altitude observations of the sun for azimuth, and at noon on the meridian for latitude at shaft No. 4, were made, the details of which observations are shown in the calculation sheets herewith submitted for examination. My watch, which carries 105° Standard Meridian time, was compared, before and after the observations, with Western Union Telegraph time at Mayer, Arizona. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a 1/8 inch steel tape 500 feet in length, graduated every foot, having been compared with a steel standard tape at the time of beginning the survey, and found correct.

All lines and connections of this survey were run by direct methods. The magnetic variation observed at each corner of the survey, gave a uniform value of 14°-30'E.

IDAHO Lode

Beginning at Cor. No. 1 of the Idaho lode.

Set a 3/4 inch iron pipe 42 inches long, 1 1/2 inches in the ground supported by a substantial mound of stone, fitted with a 3 inch flange and copper plate marked I 1 4191, with center for exact corner point, whence;

The north 1/4 corner Sec. 29 T.13 N.R.1 E. of the

Gila and Salt River Base and Meridian brs. N. $9^{\circ}-17'-30''$ E.
898.9 feet.

The point for Cor.No.1 Sunlight lode Sur.No.1540A, brs.
S. $89^{\circ}-57'$ E. 120.2 feet.

No other bearings available.

Thence N. $52^{\circ}-24'$ E.

50.0 ^{center}In Galena Gulch, flows southeasterly.

511.0 Cross under telephone line brs. southeasterly

1500.0 COR.NO.2

Set a $3/4$ inch iron pipe 42 inches long, 18 inches in the
ground, supported by a substantial mound of stone, fitted
with a flange and copper plate marked I 2 4191, with center
for exact corner point, whence,

No bearings available.

Thence S. $40^{\circ}-17'$ E.

300.0 NORTH CENTER END, built a substantial mound of stone.

600.0 COR.NO.3

Set a $3/4$ inch iron pipe 42 inches long, 18 inches into
the ground, supported by a substantial mound of stone fitted
with a flange and copper plate marked I 3 4191, with center
for exact corner point, whence;

No bearings available.

Thence S. $52^{\circ}-24'$ W.

744.0 Cross under telephone line, brs. northwesterly.

1000.0 ^{center}In Galena Gulch, flows easterly.

1500.0 COR.NO.4

Set a $3/4$ inch iron pipe 42 inches long, 18 inches in the
ground, supported by a substantial mound of stone fitted
with a flange and copper plate marked I 4 4191 with
center for exact corner point, whence;

No bearings available.

Thence N. $40^{\circ}-17'$ W.

89.0 Intersect line 3-4 Sunlight lode Sur.No.1540A, S. $47^{\circ}-49'$ W.

105.2 feet from the point for Cor. No.4.

215.0 ^{center}In Galena gulch flows easterly.

300.0 SOUTH CENTER END,

(1) (2)

300.0 SOUTH CENTER END, built a substantial mound of stone.
 center
 400.0 In Galena Gulch, flows southeasterly.
 519.2 Intersect line 1-2 Sunlight lode Sur.No.1540A, S.47°-49'W.
 97.7 feet from the point for Cor. No.1 whence point for Cor.
 No.4 of said lode hrs. S42-11'E 430.0 ft.
 600.0 TO COR.No.1, the place of beginning. All corners are
 identical with their respective locations.

LODE LINE

The presumed course of the vein of this location embraced in this survey counted from the discovery is as follows;

IDAHO lode
 N.52°-24'E. 1405 feet and S.52°-24'W. 95 feet.

AREAS

TOTAL AREA IDAHO lode	Acres 20.639
Area in conflict with Sunlight lode Sur.No.1540A	None 0.975

LOCATION

This survey is located in the SE $\frac{1}{4}$ Sec. 20, & the NE $\frac{1}{4}$ & NW $\frac{1}{4}$ of Section 29 T.13 N.R.1 E of the Gila and Salt River Base and Meridian, Big Bug Mining District, Yavapai County, State of Arizona.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I hereby certify that the value of the labor and improvements made upon or for the benefit of this lode location embraced in said mining claim by the claimant or his grantors is not less than five hundred dollars and that said improvements consist of;

- No.1 The discovery shaft, the center of which hrs. N.52°-24'E. 95 feet from the South Center End, 4x6x105 feet deep.
Value \$1050.00
- No.2 A shaft, the center of which hrs. N.52°-24'E. 226 feet from the South Center End, 4x6x50 feet deep.
Value \$500.00

- No.3 A shaft, the center of which brs. N.52°-24'E. 280 feet from the South Center End, 4x6x8 feet deep.
Value \$80.00
- No.4 A shaft, the center of which brs. S.52°-24'W. 765 feet from the North Center End, 4x6x 200 feet deep, est.
Value \$2000.00
- No.5 A shaft, the center of which brs. S.27°-35'W. 678 feet from Cor. No.2, 4x6x10 feet deep.
Value \$100.00
- No.6 A shaft, the center of which brs. S. 26°-35'W. 647 feet from Cor. No.2, 4x6x30 feet deep.
Value \$300.00
- No.7 A shaft, the center of which brs. N.56°-15'W. 209 feet from Cor. No.3, 4x6x15 feet deep.
Value \$150.00

OTHER IMPROVEMENTS

None.

OTHER CORNER DESCRIPTIONS

The North 1/4 corner Sec. 29 is a pipe corner properly set and marked according to the calls in the official records

SUR.NO. 1540A Sunlight lode

The corners of this lode adjoining this survey have been destroyed. I was able to establish the locus of the corners from the calls in the official records and remaining evidence at Cor.No.1.

The corners of Survey No.4191 are 3/4 inch iron pipe 42 inches long firmly driven 18 inches into the ground and supported by a substantial mound of stone and earth. A 3/4 inch floor flange, cast iron three inches in diameter, having bolts holes and threaded, has been fitted to top of pipe. A three inch diameter copper plate neatly bolted to the floor flange gives a smooth marking surface upon which the designation of each corner has been stamped with steel dies.

The discrepancies found existing between the claim

as marked by the location monuments and as described in the location notices are due to errors in the location notices.

William W. W. W.
U.S. MINERAL SURVEYOR

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FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by J. William Waara

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

George H. Flammer

known as the Idaho lode

and showing the respective capacities in which they acted.

Ted Snyder, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS

~~xxx~~, I, Ted Snyder

~~xxx~~ do solemnly swear that ^I~~we~~ assisted J. William

Waara, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of George H. Flammer

known as the Idaho 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 instruc-

tions furnished by the ^{Acting} Office Cadastral Engineer, at Phoenix Arizona.

Ted Snyder, Chainman.

~~Mineral Survey No. 4191~~

~~Report on affidavit of assistant.~~

Owing to the distance from the nearest Notary Public and the expense and delay which would have been involved, I took the acknowledgment of my assistant in my capacity as a U.S. Mineral Surveyor.

J. William Waara
U.S. Mineral Surveyor

FINAL OATH OF U. S. MINERAL SURVEYOR

I, J. William Weara, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the ^{Acting} Office Cadastral
Engineer, at Phoenix Arizona, dated Jan. 27, 1937
& Feb. 13, 1937,
I have, in strict conformity to the laws of the United States, the official regulations
and instructions thereunder, and the instructions of said ^{Acting} Office Cadastral Engineer,
faithfully and correctly executed the survey of the mining claim of _____
George H. Flammer, known as the
_____ Idaho lode _____,
situate in _____ Big Bug _____ Mining District,
_____ Yavapai _____ County, _____ Arizona _____, in Sections
20 &
29 _____, Township No. 13 N. _____, Range No. 1 E. _____
and designated as Survey No. 4191 _____, 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 ^{Acting} 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 his _____
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 in-
cluded in the estimate of expenditures upon any other claim. _____

J. William Weara
(U. S. Mineral Surveyor)

Subscribed and sworn to by the said J. William Weara

U. S. Mineral Surveyor, before me J. C. Bauer

_____ this 16

day of February, 19 37

J. C. Bauer
Notary Public

Acting

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

March 24, 1937

Acting

I, Office Cadastral Engineer at Phoenix, Arizona

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

George H. Flammer

known as the IDAHO lode

situate in Big Bug

Mining District Yavapai County Arizona

in Sections 20 & 29, Township No. 13 N., Range No. 1 E., and

designated as Survey No. 4191, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant George H. Flammer or his grantors, and that said improvements consist of 7 shafts, total value \$4180

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.

Sherman C. Fiske

Acting Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

At Phoenix, Arizona

March 24, 1937

Actg.

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

George H. Flammer

, known as the

IDAHO lode

situate in Big Bug mining district,

Yavapai County, Arizona

in Sections 20 & 29, Township No. 13 N, Range No. 1 E.

, designated as Survey No. 4191

executed by J. William Waara, U. S. Mineral

Surveyor, January 29 - February 15, 1937 under my instructions dated

Jan. 27 and Feb. 13, 1937 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.

Sherman C. Lisk

Acting Office Cadastral Engineer.