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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE



1

MINERAL SURVEY NO. 4240

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Virginia Zitlau

Known As The

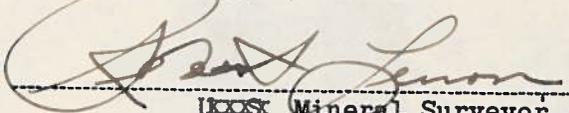
Bull Dog lode

Ajo Mining District,

Pima County, Arizona

Section 27, Township 12 South, Range 6 West  
of the Gila and Salt River Base and Meridian.

Surveyed under instructions dated June 17, 1940

by  U.S. Mineral Surveyor.

Claim located July 1, 1931

Survey commenced June 20, 1940

Survey completed June 26, 1940

Address of claimant's agent: Walter Zitlau,  
P.O. Box 912, Ajo, Arizona.

DATES OF AMENDED LOCATIONS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Mineral Survey No. 4240

Mineral Survey No. 4240 was made with a Lietz Precise Transit No. 9509, with horizontal limb 6 ins. diam., having two double opposite verniers, and full vertical circle  $4\frac{3}{4}$  ins. diam., having one double vernier; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey, and all adjustments were in good order. A p.m. altitude observation on the sun for azimuth was made at the point of beginning, the details of which observation are shown on the calculation sheets herewith submitted for examination. As the transit used was not equipped with a top telescope nor a prism eyepiece, it was impossible to make an altitude observation on the sun at noon for latitude, and this value was taken from the township plat, as shown on the accompanying calculation sheets. All azimuths referred to 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 Lufkin steel tape 100 ft. in length, graduated every foot throughout its length, with the last foot on each end graduated to tenths. This tape was compared with a Lufkin standard after the completion of the survey, and found correct.

All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible tie to the corner of the public land survey was made by a traverse, as shown by the calculation sheets herewith submitted for examination.

The magnetic variation observed at each corner of the survey gave a uniform value of  $13^{\circ}30'$  E.

Feet

## BULL DOG LODE

Beginning at Cor. No. 1 of the Bull Dog lode, where I ---

Set an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, for Cor. No. 1, mkd. BD-1-4240; from which

The quarter <sup>section</sup> corner common to Secs. 27 and 28, T. 12 S., R. 6 W., Gila and Salt River Meridian, bears  $N 83^{\circ}17'30'' W$ , 1396.58 ft. dist.; an iron post, 1 in. diam., 18 ins. above ground, firmly set and properly marked.

Cor. No. 3 Sur. No. 1526 Arkansas lode, bears  $S 62^{\circ}51' E$ , 420.50 ft. dist.

Thence  $N 79^{\circ}45' E$

90.00 The southwest corner of the Triangle lode, (unsurveyed) ~~Rosie Price and C. A. Baker, claimants, was intersected.~~

407.90 Intersect line 3-4 Sur. No. 1526, Arkansas lode at a point from which Cor. No. 3 bears  $S 3^{\circ}54' W$ , 269.70 ft. dist., and Cor. No. 4 bears  $N 3^{\circ}54' E$ , 326.40 ft. dist.

785.00 Center of wagon road, bears north and south.

1500.00 Cor. No. 2, identical with the southeast corner of the Triangle lode, unsur.

Set an iron pipe, 3 ins. diam., 42 ins. long, 6 ins. in the ground to bedrock, in concrete, for Cor. No. 2; mkd. BD-2-4240.

Survey No. 4240

|         |   |
|---------|---|
| Feet    | Thence S 70°16' E   |
| 300.00  | Intersect the lode line at east end center of location; an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, mkd. EEC-BD-4240.   |
| 542.80  | Intersect Cor. No. 1 Sur. No. 4196 Colorado #3 lode, on line 1-2 Sur. No. 3598 Fire Fly lode, at a point from which Cor. No. 1 bears S 86°18' E, 37.4 ft. dist., and Cor. No. 2 bears N 86°18' W, 562.8 ft. dist. At this point I also intersect line 2-3 Sur. No. 1526, Arkansas lode, at a point from which Cor. No. 3 bears N 86°18' W, 1164.1 ft. dist.   |
| 572.90  | <p>Cor. No. 3.</p> <p>Set an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, for Cor. No. 3, mkd. BD-3-4240; from which</p> <p>Cor. No. 2 Sur. No. 3598 Fire Fly lode bears N 83°19' W, 569.3 ft. dist.</p> <p>The northeast corner of the Colorado #1 lode (un-surveyed), E. Malone, claimant; on line 2-3 Sur. No. 3598 Fire Fly lode bears S 85°17' W, 572.9 ft. dist.</p> <p>Cor. No. 1 Sur. No. 3598 Fire Fly lode bears N 50°37' E, 43.3 ft. dist.</p> |
|         | Thence S 78°43' W   |
| 585.60  | Intersect line 2-3 Sur. No. 3598 Fire Fly lode and the coincident east endline of the Colorado #1 lode (un-surveyed) at a point from which Cor. No. 2 bears N 2°50' E, 181.0 ft. dist.; and the northeast corner of the Colorado #1 lode bears N 2°50' E, 67.6 ft. dist.  |
| 800.00  | Center of wagon road, bears north and south.  |
| 1501.70 | <p>Cor. No. 4.</p> <p>Set an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, for Cor. No. 4, mkd. BD-4-4240.</p>   |
|         | Thence N 70°16' W   |
| 205.00  | Intersect the north sideline of the Colorado #1 lode (un-surveyed) at a point from which the northeast corner of said claim bears N 87°19' E, 928.6 ft. dist.   |
| 300.00  | Intersect the lode line at west end center of location; an iron pipe, 3 ins. diam., 42 ins. long, 12 ins. in the ground, in concrete, mkd. WEC-BD-4240.   |
| 600.00  | <p>Cor. No. 1, and place of beginning.</p> <p>The corner markings are stamped on copper plates with steel dies; the plates are soldered to the pipes, facing the claim, near the top of the pipes.</p> <p style="text-align: center;">LODE LINE</p> <p>The presumed course of the vein of the lode location embraced in this survey, counted from the point of discovery, is as follows:</p>  |
|         | N 79°45' E, 818.0 ft., and S 79°45' W, 682.0 ft.  |
|         | AREAS   |
|         | Total area, Bull Dog lode..... Acres 20.167   |
|         | Area in conflict with---  |

## Survey No. 4240

|                                    | Acres    |
|------------------------------------|----------|
| Sur. No. 1526 Arkansas lode.....   | 10.399 ✓ |
| Sur. No. 3598 Fire Fly lode.....   | 1.371 ✓  |
| Colorado #1 lode (unsurveyed)..... | 2.867 ✓  |

## LOCATION

This survey is located in Sec. 27, of T. 12 S., R. 6 W., of the Gila and Salt River Meridian.

The survey of the Bull Dog lode is identical with the location as marked on the ground.

## EXPENDITURE OF \$500

I certify that the value of the labor and improvements made upon the lode location embraced in said mining claim by the claimant or her grantors is not less than \$500, and that said improvements consist of:

- No. 1 The discovery shaft of the Bull Dog lode, the center of which being the discovery point, is on the lode line 682 ft. from a point on line 1-4, 300 ft. from Cor. No. 1; 4x6 ft., 8 ft. deep.  
Value \$100
- No. 2 A shaft, the center of which bears S 75°30' W, 632 ft. from Cor. No. 2; 4x6 ft., 50 ft. deep.  
Value \$600
- No. 3 A tunnel, 5x7 ft. in size, the portal of which bears S 71°30' W, 518 ft. from Cor. No. 2, and runs N 79°00' E 88 ft. to breast.  
Value \$600
- No. 4 A cut, 5 ft. wide, the face of which bears S 67°10' W, 862 ft. from Cor. No. 2; runs S 70°00' W 12 ft. to 4 ft. face.  
Value \$50
- No. 5 A shaft, the center of which bears S 57°50' W, 923 ft. from Cor. No. 2; 4x6 ft., 10 ft. deep.  
Value \$125

No portion of, or interest in, these improvements has been credited heretofore as patent expenditure to any lode claim.

## OTHER IMPROVEMENTS

- A shaft, the center of which bears S 78°20' W, 626 ft. from Cor. No. 2; 4x6 ft., 6 ft. deep.
- A shaft, the center of which bears S 76°35' W, 624 ft. from Cor. No. 2; 4x6 ft., 8 ft. deep.
- A shaft, the center of which bears S 65°00' W, 475 ft. from Cor. No. 2; 4x6 ft., 10 ft. deep.
- A diamond-drill hole, the center of which bears S 61°10' W, 540 ft. from Cor. No. 2, 800 ft. deep.
- A cut, 6 ft. wide, the face of which bears S 59°20' W, 497 ft. from Cor. No. 2; runs N 30°00' E, 6 ft. to 6 ft. face.
- A shaft, the center of which bears S 58°00' W, 622 ft. from Cor. No. 2; 4x6 ft., 10 ft. deep.
- A shaft, the center of which bears S 76°30' W, 780 ft. from Cor. No. 2; 6x12 ft., 40 ft. deep; 3 compartments, timbered.
- A shaft, the center of which bears S 71°00' W, 810 ft. from

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Cor. No. 2; 4x6 ft., 5ft. deep.

A shaft, the center of which bears S 68°40' W, 792 ft. from Cor. No. 2; 4x6 ft., 20 ft. deep.

A shaft, the center of which bears S 66°45' W, 780 ft. from Cor. No. 2; 4x6 ft., 50 ft. deep.

A shaft, the center of which bears S 65°30' W, 795 ft. from Cor. No. 2; 4x6 ft., 20 ft. deep.

Claimant of each unknown.

## OTHER CORNER DESCRIPTIONS

Sur. No. 1526 Arkansas lode: Cor. No. 2, identical with Cor. No. 3 Butte lode, Sur. No. 1526, and with Cor. No. 4 Colorado #3 lode, Sur. No. 4196; an iron pipe, 4 ins. diam., 42 ins. above ground, with copper tag on side. Cor. No. 3; a scattered monument of rock, post missing. Cor. No. 4; identical with Cor. No. 5 Main Stay lode, Sur. No. 1526; an iron pipe, 4 ins. diam., 42 ins. above ground, with copper tag on side.

Line 2-3 was found to bear N 86°18' W, instead of N 86°30' W, as of record, <sup>or N 86°14' W, as reported in Sur. 4196,</sup> and line 3-4 was found to be N 3°54' E, 596.1 ft., instead of N 3°30' E, 600.0 ft., as of record.

Sur. No. 3598 Fire Fly lode: Cors. Nos. 1, 2, & 3 are 4x4 ins. wooden posts, firmly set and properly marked.

Line 1-2 was found to be N 86°18' W, 600.2 ft.; instead of N 86°17' W, 600.0 ft., as of record, and line 2-3 was found to bear S 2°50' W instead of S 2°52' W, as approved.

Sur. No. 4196 Colorado #3 lode: Cor. No. 1 is an iron pipe 4 ins. diam., 42 ins. above ground, firmly set and properly marked. Cor. No. 2 is a cross on a porphyry outcrop, properly marked.

Line 1-2 was found to bear N 7°16' W, instead of N 7°15' W, as of record.

Colorado #1 lode (unsurveyed): All four corners are rock mounds with posts set therein.

U. S. Mineral Monument No. 1 has become obliterated by open-pit operations.

## ADJOINING CLAIMS

In addition to the adjoining claims hereinbefore referred to, this survey is adjoined on the north by the Triangle lode (unsurveyed), Rosie Price and C. A. Baker, claimants, and on the west by the Copper Sulphate lode (unsurveyed), Rosie Price and C. A. Baker, claimants.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Robert Lenon

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 Virginia Zitlau

known as the Bull Dog lode

and showing the respective capacities in which <sup>he</sup> ~~they~~ acted.

- Philip C. Bowman, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Azman.*
- \_\_\_\_\_, *Flagman.*

FINAL OATHS OF ASSISTANTS

~~We~~ I, Philip C. Bowman

~~and~~ \_\_\_\_\_, do solemnly swear that ~~we~~ I

Robert Lenon, ~~United States~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Virginia Zitlau

known as the Bull Dog 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 <sup>my</sup> ~~our~~ knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona

- Philip C. Bowman, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Azman.*
- \_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 24th

day of July, 19 40.

[Signature]  
Notary Public.

My Commission Expires  
March 1, 1941.

FINAL OATH OF ~~U.S.~~ MINERAL SURVEYOR,

I, Robert Lenon, ~~xxxx~~ Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral  
Engineer, at Phoenix, Arizona, dated June 17, 1940,  
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 Virginia Zitlau  
....., known as the  
Bull Dog lode  
situate in Ajo Mining District,  
Pima County, Arizona, in Section  
27, Township No. 12 South, Range No. 6 West  
and designated as Survey No. 4240, 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 her  
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.

Robert Lenon  
(~~U.S.~~ Mineral Surveyor)

Subscribed and sworn to by the said Robert Lenon  
~~xxxx~~ Mineral Surveyor, before me, Alfred C. Stoddard, Notary Public  
Cochise County, State of Arizona this 24<sup>th</sup>  
day of July, 1940.

Alfred C. Stoddard  
Notary Public

My Commission Expires  
March 1, 1941

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 .....

..... *November 13* ....., 1940.

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 .....

..... Virginia Zitlau .....

....., known as the

..... BULL DOG Lode .....

situate in ..... Ajo ..... mining district,

..... Pima County, ..... Arizona .....

in Section ..... 27 ....., Township No. .... 12 S. ...., Range No. .... 6 W. ....

....., designated as Survey No. .... 4240 .....

executed by ..... Robert Lenon ....., Mineral

Surveyor, ..... June 20 - 26 ....., 1940, under my instructions dated

..... June 17 ....., 1940, 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. Fiske*  
.....  
Office Cadastral Engineer.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

United States  
Department of the Interior  
GENERAL LAND OFFICE  
PUBLIC SURVEY OFFICE

Phoenix, Arizona

November 13, 1940

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

Virginia Zitleu

known as the BULL DOG Lode

situate in Ajo

Mining District Pima County Arizona

in Section 27, Township No. 12 S., Range No. 6 W., and

designated as Survey No. 4240, 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  
or her grantors,  
and that said improvements consist of 3 shafts, 1 tunnel, and 1 cut, total value  
\$1475.

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 District Land Office at Phoenix,  
Arizona is correct and in conformity with the foregoing Field Notes.

Sherman O. Fiske

Office Cadastral Engineer.