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(4-683.)

Mineral Survey No. 2331

Lot No. _____

~~Fraction Mining Claim~~
Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Tom Doyle

KNOWN AS THE

Fraction

Globe

Mining District.

Gila

County,

Arizona

Section 24, Township 17, Range E 5, R. B & M.

Surveyed under instructions dated August 23rd 1906

by Robert R. Boyd

U. S. Deputy Mineral Surveyor

Claim located See location Notice . 1

Survey commenced November 16th . 1 906.

Survey completed November 16th . 1 906

6-163

Post office address of Claimants atty:-
Seth E. Hazzard, Bisbee Arizona

*912
200
100
100*

Feet

SURVEY NO. 2331
FRACTION LODE MINING CLAIM

- Beginning at cor No. 1, the S W cor, identical with location, with corners No. 2 and 4 and 1, respectively, of the Tiger, Survey No. 2327, of the H. S. Fraction Survey No. 2316, and of the Mule Shoe Lode, Survey No. 2334, a pine post 4 in square and 4 ft long, set 18 in. in the ground in a mound of stone and scribed 1-2331-F L, whence a
Limestone Cropping 1 ft square and 6 in. above the surface of the ground, chiseled X-B R 2331, bears N 69° 29' E 26.3 ft., a
Cropping of Dacite 4 ft x 3 ft x 18 in. above the surface of the ground, chiseled X-B R²³³¹ bears S 3° 14' E 24.8 ft.
Ledge of Limestone 1 ft high, chiseled X-B R²³³¹ bears S 76° 46' W 17.1 ft, whence
S 1/4 cor Sec 24 T 1 N, R 15 E, G & S R B & M, bears S 7° 59' E 870.3 ft.
- Thence N 30° 52' W
- 303.8 to original location for WEC,
607.2 same bearing to cor No. 2, the N W cor, identical with location, a pine post 4 ft long, 4 in. square, set 18 in. in the ground in a mound of stone and scribed 2-2331-F L, No bearing monuments available.
- Thence N 69° 06' E
- 202.6 along line 5-6 Mule Shoe Lode Survey No. 2334 to cor
No. 6 Mule Shoe Lode, *whence Cor No. 1, Mule Shoe Lode by 111° 40' E 606.0 ft*
- 344.6 same bearing to cor No. 3, the N. E. corner, identical with location and with the S E cor of Even Up Lode unsurveyed, a pine post 4 ft long, 4 in. square, set 18 in. in the ground in a mound of stone, and scribed 3-2331-F L, whence a
Limestone Cropping 1 ft x 3 ft and 12 in. above the surface of the ground, chiseled X-2331-B R, bears N 49° 58' W 8.7 ft. and an
X-2331-B R, chiseled in Limestone Bedrock, bears N 63° 47' E 12.4 ft.
- Thence S 30° 52' E
- 38.1 to the S. W. and N.W. corners, respectively of Joker and Vermont Lodes unsurveyed,
306.0 same bearing to original location for E E C,
495.0 same bearing to the intersection of grade of Arizona Commercial Railroad
612.0 same bearing to cor No. 4, the SE cor, identical with location and with the S W cor of Vermont Lode unsurveyed, and situated on line 2-3 Tiger Lode Survey No. 2327, a pine post 4 ft long 4 in square, set 18 in. in the ground in a mound of stone and scribed 4-2331-F L, whence a
Cropping of Diorite 3 ft x 4 ft and 3 ft above the surface of the ground, chiseled X-2331-B R, bears N 45° 34' E 55.9 ft,
- Thence S 69° 46' W
- 252.0 to intersection of grade of Arizona Commercial Railroad
345.4 same bearing to cor No. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim is from the E E C of location S 69° 27' W 345.0 ft.

AREA

Total area of Fraction Lode	4.750 acres	
Less area in conflict with		
Mule Shoe Lode Survey No. 2334	1.391	"
Net area of Fraction Lode		3.359 acres

Feet

IMPROVEMENTS

I certify that the value of the labor and improvements on this claim, placed thereon by the claimant or his grantors, is not less than \$500.00 and that said improvements consist of

No. 1	Discovery Cut 5 x 12 x 27 ft and Tunnel at mouth of cut 5 x 8 x 19 ft, course of Tunnel S 80° W, center of mouth of Open Cut bears from E E C of location S 20° 00' W 60 ft.	Value	\$125.00
No. 2	Incline Shaft 4 x 6 x 40 ft with an incline of 75° in a S 30° E direction, the S E cor of which bears from E E C of location N 80° 30' W 46.0 ft	Value	400.00
No. 3	Open Cut 5 x 12 x 21 ft and Tunnel 4 x 6 x 33 ft the course N 60° W, Open Cut at mouth of Tunnel, the center of the mouth of Open Cut bears from E E C of location N 43° W 50.0 ft	Value	200.00
Total Improvements			\$725.00

ADJOINING CLAIMS

North	Even Up Lode unsurveyed, owned by applicant herein, Vermont and Joker Lodes unsurveyed, United Globe Mines owner,
East	
South	Tiger Lode, Survey No. 2327, Joseph Faull owner, H. S. Fraction Lode, Survey No. 2316, owned by applicant herein,
West	Mule Shoe Lode Survey No. 2334, Tom Doyle and Barney Rice owners.

LOCATION

This claim is located in Sec 24 T 1 N, R 15 E, G & S R B & M, in the Globe Mining District, Gila County, Arizona, about three-quarters of a mile in a northeasterly direction from the town of Globe.

INSTRUMENT

This survey was made with a C. L. Berger & Sons No. 5194 Complete Mining Transit. The courses were deflected from the true meridian, as determined by direct Solar observation, checked by an observation on Polaris. Distances were measured with a 300-foot steel tape. Magnetic variation 13° 35' E at all corners.

Robert R. Boyd
U. S. Deputy Mineral Surveyor

Dated at Globe, Arizona,
3rd December, 1906.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Robert P. Boyd

United States Deputy 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

Tom Doyle
known as the Traction

and showing the respective capacities in which they acted.

- E. E. Barker, Chainman.
- H. H. Pearson, Chainman.
- _____, Axman.
- _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. E. Barker
and H. H. Pearson, do solemnly swear that we assisted Robert P. Boyd

_____, United States Deputy Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Tom Doyle

known as the Traction

represented in the foregoing field notes as having been surveyed by said deputy 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

- E. E. Barker, Chainman.
- H. H. Pearson, Chainman.
- _____, Axman.
- _____, Flagman.

Subscribed and sworn to by the above-named persons before me this 30th

day of November, 1906 My commission expires January 13, 1910

G. W. Dodge

Notary Public in and for the
County of Gila, Territory of
Arizona.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Robert R. Boyd, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Aug 23, 1906, 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 Tom Doyle, known as the Fracton, situate in Globe Mining District, Gila County, Arizona, in Section 24, Township No. 1 N, Range No. 15 E. G + S. R B + M, and designated as Survey No. 2331, 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 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 improvements 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 included in the estimate of expenditures upon any other claim.

Robert R. Boyd
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Robert R. Boyd,
U. S. Deputy Mineral Surveyor, before me G. F. Dodge
Notary Public this 30th
day of November, 1906, *My commission expires January 13, 1910*

G. F. Dodge
Notary Public in and for the
County of Gila, Territory of
Arizona.



Affidavit of Five Hundred Dollars Improvements.

We, E. E. Barker, and H. H. Pearson

of lawful age, being first duly sworn according to law, depose and say: That we are

acquainted with the Fraction mining claim,

situate in Globe Mining district, Gila County,

Arizona Territory, for which Tom Doyle

has made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and ~~his~~ grantor exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

E. E. Barker

H. H. Pearson

TERRITORY OF ARIZONA,

County of Gila } ss:

Sworn to and subscribed before me, this 1st

day of December, 1906



My commission expires March 5, 1910

Rose M. Grath
Notary Public

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Fraction Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Tom Doyle, a citizen of the

United States
(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 10th day of August 1906

The length of this claim is Four Hundred feet,
and 1 claim Twenty Five (25) feet,

in a 7 Easterly direction and Three Hundred
and Seventy Five (375) feet in a Westerly direction from

the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three Hundred (300) feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the East to the West

The claim is situated and located in the Globe Mining District, in Gila County, in the Territory of Arizona, about 3000 feet

in a North Easterly direction from the Old Dominion Smelter, and is bounded on the North by the Evening Claim, on the East by the Vermont Claim and on the West by the Mule Shoe Claim

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post 4 feet long 4 inches square set in a mound of stones

at a point in a 7 Easterly direction 75 feet from the discovery shaft (at which this notice is posted,) being in the center of the East

end line of said claim; thence Southerly 300 feet to a post and monument, being the South East corner of said claim; thence

Westerly 400 feet to a post and monument, being at the South West corner of said claim; thence Northerly 300 feet

to a post and monument at the center of the West end of said claim; thence Northerly 300 feet to a post and monument being at the

North West corner of said claim; thence Easterly 400

feet to a post and monument at the North East corner of said claim;

4-688.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

January 23, 1907.

I, U. S. Surveyor-General for Arizona, do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Tom Doyle,

known as the Fraction, situate in Globe

Mining District, Gila County, Arizona,

in Section 24, Township No. 1 N., Range No. 15 E. & S. R. B., and

designated as Survey No. 2331, 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 his grantors, and that said improvements consist of 2 cuts, 2 tunnels and 1 shaft, valued at \$725.00

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 Phoenix, Arizona, is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor-General for Arizona.

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.

January 23, 1907.

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

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

known as the Fraction,

situate in Globe Mining District,

Gila County, Arizona,

in Section 24, Township No. 1 N., Range No. 15 E., G. & S. R. B. & M., designated as Survey No. 2331,

executed by Robert R. Boyd, U. S. Deputy Mineral Surveyor, November 16th, 1906, under my instructions dated August 23rd, 1906, 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. A true copy of the copy of the location certificate filed by the applicant for survey is included in the field notes.

Frank A. Lyall

U. S. Surveyor-General for Arizona.

SURVEY NO. 2331

FRACTION LODE MINING CLAIM.
IMPROVEMENTS

I certify that the value of the labor and improvements on this claim, placed thereon by the claimant or his grantors, is not less than \$500. and said improvements consist of the following:

- No. 1 Discovery Cut 5 x 12 x 27 feet and Tunnel at mouth of Cut 5 x 8 x 19 ft; course of Tunnel S 80° W; Center of Mouth of Open Cut bears from the E E C of location S 20° 00' W 60. ft. Completed prior to survey. Value \$125 00
 - No. 2 Inclined Shaft 4 x 6 x 40 ft deep with an incline of 75° in a S 30° E direction, the S E corner of which bears from the E E C of location N 80° 30' W 46.0 ft. Completed prior to survey. Value 400 00
 - No. 3 Open Cut 5 x 12 x 21 ft and Tunnel 4 x 6 x 33 ft., course of Tunnel N 60° W; Open Cut at mouth of Tunnel, the center of mouth of Open Cut bears from E E C of location N 43° W 50 ft. Completed prior to survey. Value 200 00
 - No. 4 Discovery Shaft 4 x 6 x 10 ft deep, the center of which bears from the E E C of location S 69° 27' W 40.0 ft. Sunk after the survey. Value 50 00
- Total value of Improvements \$775 00

Robert R. Boyd
U. S. Deputy Mineral Surveyer

Dated at Globe, Arizona,
28th January, 1907.

Affidavit of Five Hundred Dollars Improvements.

We, E. E. Barker, and K. H. Pearson

of lawful age, being first duly sworn according to law, depose and say: That we are

acquainted with the Fraction mining claim,

situate in Globe Mining district, Gila County,

Arizona Territory, for which Tom Hoyle

has made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant ~~and grantor~~ exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

E. E. Barker

K. H. Pearson

TERRITORY OF ARIZONA, }
County of Gila } ss:

Sworn to and subscribed before me, this 9th

day of February, 1907.

My commission expires January 13th, 1910.

G. F. Rodger
Notary Public



(4-691.)

Certificate of U. S. Surveyor General

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

I, U. S. Surveyor General for District of Arizona,
do hereby certify that Five Hundred Dollars' worth of labor has been expended or
improvements made by claimant or his grantors, upon the mining claim of
Tom Doyle

known as the Fraction,
situate in Globe mining district,
Gila County, Arizona
in Section _____, Township No. _____, Range No. _____;
that said improvements consist of 2 cuts, 2 tunnels and 2 shafts, valued
at \$775.00

_____, and that no portion of said labor or improvements has been
included in the estimate of expenditures upon any other claim. A copy of the report of
Robert R. Boyd, U. S. Deputy Mineral Surveyor, dated
January 28, 1907, 18____, is hereto attached.



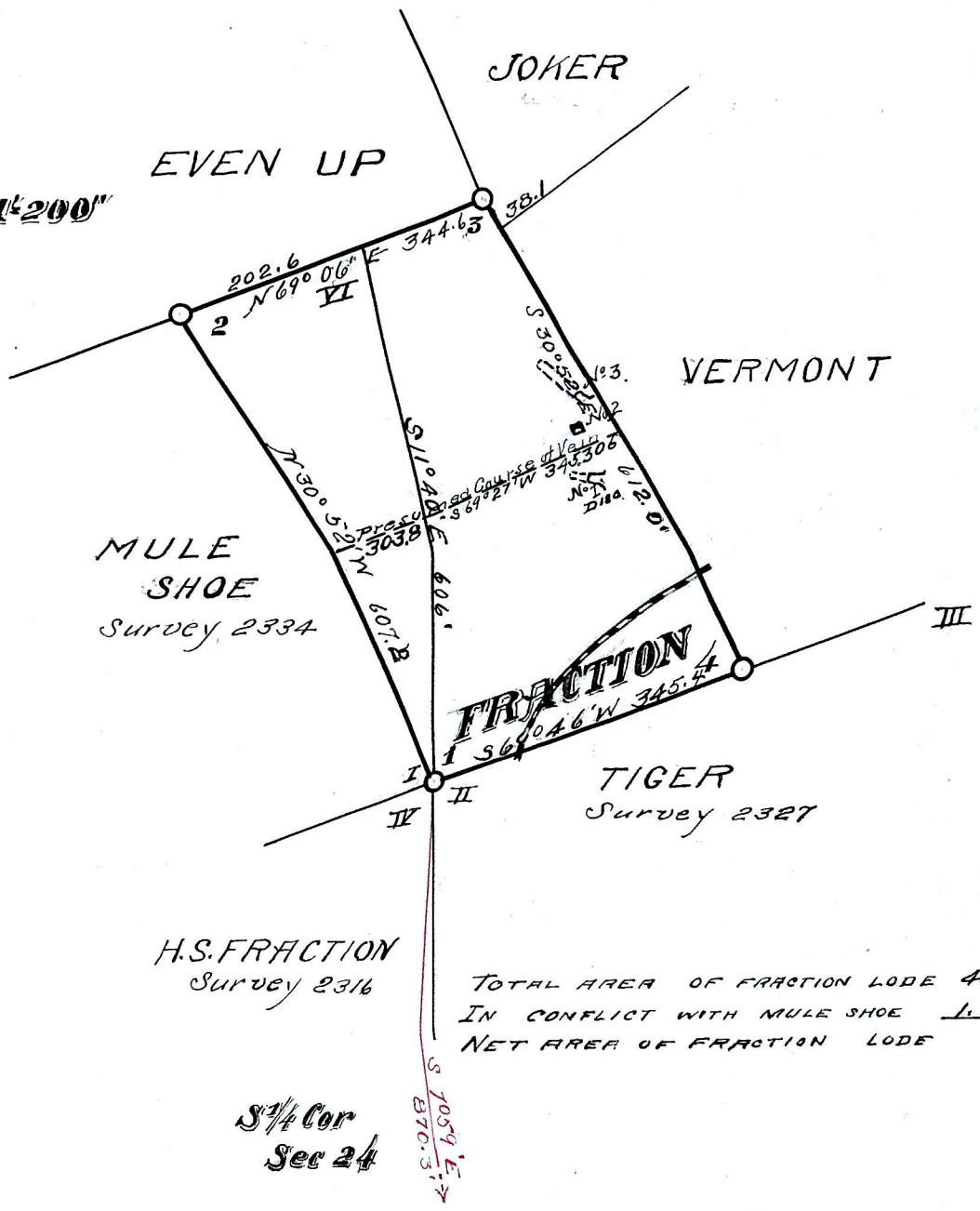
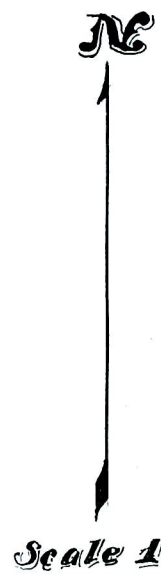
U. S. Surveyor General for Arizona.

Office of U. S. Surveyor General,

Phoenix, Arizona,

March 5, 1907, 1 _____

SURVEY No 2331



TOTAL AREA OF FRACTION LODGE 4.750
 IN CONFLICT WITH MULE SHOE 1.391
 NET AREA OF FRACTION LODGE 3.359
 Acres