

4-683

MINERAL SURVEY No. 3992.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

J. H. Bastian

KNOWN AS THE

IRON CAP lode

Tyndall Mining District,

Santa Cruz County, Arizona

In the Coronado National Forest.

Section 2, Township 20 S., Range 14 E.

Surveyed under instructions dated October 1st., 19 25

by Paul E. Fernald.

U. S. Mineral Surveyor.

Claim located June 24th., 19 18.

Survey commenced October 9th., 19 25.

Survey completed November 30th., 19 25.

Address of claimant's Atty. Claude Smith, Tucson, Arizona.

DATES OF AMENDED LOCATIONS.

U.S. MINERAL SURVEY NO. 3992.

Feet.	<u>IRON CAP LODE.</u>
	Beginning at Cor. No.1.
	A 2" iron pipe 4 feet long, set $1\frac{1}{2}$ feet in the ground in concrete and surrounded by monument of stones. Iron cap on pipe stamped U.S.M.S. 3992. Iron Cap. Cor. No. 1.
	Whence:- U.S.L.M.No. 3747 bears N $83^{\circ}41'45''$ E, 1038.15 ft.
	The E. $\frac{1}{4}$ Cor. of Section 2, T 20 S, R 14 E, G. & S. R.B. & M., bears N $85^{\circ}18'$ E, 1637.26 feet.
	Cor. No.1, Daniels No.3 Lode, Survey No.3747, bears S $70^{\circ}28\frac{1}{2}'$ E, 395.71 feet.
	A 24" Juniper, blazed and scribed "B.T. X 3992" bears N $10^{\circ}27'$ E, 24.17 feet.
	Original location monument for N.E. Corner - a monument of stones 3 feet high with 4 foot base, bears N $0^{\circ}52'$ E, 45.80 feet.
	Thence S $0^{\circ}52'$ W
173.00	Crosses center Daniels Canyon, running N.W.- thence W.
300.00	East End Center - monument of stones 3 feet high, 4 foot base.
600.00	Cor. No.2.
	A 2" iron pipe 4 feet long, set $1\frac{1}{2}$ feet in the ground in concrete and surrounded by monument of stones. Iron cap on pipe stamped U.S.M.S.3992, IRON CAP, COR.NO.2.
	Whence:- A 24" Oak, blazed and scribed "B.T. X 3992" bears N $22^{\circ}19'$ E, 10.02 feet.
	Original S.E. Corner of location - small mmt. stones top large boulder, bears S $50^{\circ}19'$ E, 185.50 feet.
	Thence N $86^{\circ}39'$ W
11.00	Crosses center White House Canyon road, course N.W.
83.00	Center White House Canyon, running N.W.
1448.31	Cor. No. 3.
	A 2" iron pipe 4 feet long, set $1\frac{1}{2}$ feet in the ground in concrete and surrounded by monument of stones. Iron Cap on pipe stamped U.S.M.S. 3992, IRON CAP. COR.NO.3.
	Whence:- A 16" Juniper, blazed and scribed "B.T. X 3992" bears N $9^{\circ}48'$ W, 13.00 feet.

Original S.W. Corner of Location - monument of stones
3 feet high with 4 foot base, bears S 26°11'W, 11.40 feet.

Thence N 0°52'E

204.00 Crosses center deep canyon running N.E.

300.00 West End Center - monument of stones 3 feet high, 4 foot base.

600.00 Cor. No. 4.

A 2" iron pipe 4 feet long, set 1½ feet in the ground in concrete and surrounded by monument of stones. Iron cap on pipe stamped U.S.M.S.3992. IRON CAP. COR.NO.4.

Whence:- A 14" Oak, blazed and scribed "B.T. X 3992" bears S 43°44'W, 29.11 feet.

A high pole at top of Mt. Baldy, north of lookout station, bears S 50°9'E.

Original N.W. Corner of Location - monument of stones 3 feet high with 4 foot base, bears N 37°21'W, 15.27 feet.

Thence S 86°39'E

355.00 Center deep canyon running N.E.

1033.00 High point between channels White House Canyon.

1116.00 Center White House Canyon road.

1448.31 Cor. No.1, the point of beginning.

Mean Magnetic Variation at all corners of this survey 14°0' E.

LODE LINE:- As near as can be determined from the present state of developement, the vein of this location extends N 86°39'W 1048.31 feet, and S 86°39'E, 400.00 feet, from the discovery point.

LOCATION:- This survey is located in the S ½ of Section 2, T 20 S, R 14 E, G. & S.R.B. & M., in the Tyndall Mining District, Santa Cruz County, Arizona. (In Coronado Natl. Forest)

ADJOINING AND CONFLICTING CLAIMS:- None.

AREA:- IRON CAP Lode. 19.930 acres.

EXPENDITURE OF FIVE HUNDRED DOLLARS:-

I certify that the value of labor and improvements made

U.S. MINERAL SURVEY NO. 3992.

upon this mining claim by the claimant thereof, is not less than Five Hundred Dollars, and that said improvements consist of:-

No.1, Discovery Cut, the center of mouth of which is on center line, 400.00 feet from the East End Center. Cut in westerly, 4 feet wide, 13 feet long to 11 foot face, whence tunnel continues in westerly 41 feet, of $3\frac{1}{2}$ x6 feet average section. This working follows and exposes a well defined 3 foot vein of copper and molybdenum sulphide mineral in quartz gangue.

Value \$467.20

No.2. Cut, 4 feet wide, 17 feet long to 9 foot face, the center of mouth of which bears S $88^{\circ}44'W$, 38.2 feet from point on center line N $86^{\circ}39'W$, 400.00 feet from the East End Center, extends westerly to face.

Value \$61.20

OTHER IMPROVEMENTS:-

A frame house, $14\frac{1}{2}$ x $20\frac{1}{4}$ feet, the north corner of which bears S $82^{\circ}26'W$, 190.60 feet from Cor. No.1.

A covered spring, the center of which bears N $75^{\circ}33'W$, 71.4 feet from Cor.No.2.

INSTRUMENT:- This survey was made with Dietzgen Transit No. 7256.

Courses were deflected from the true meridian as determined by direct solar observations. Distances were measured with Chicago 50 and 350 foot steel tapes.

REPORT:- The lines of this survey were run direct upon the ground. U.S.L.M.No.3747 is a $2\frac{1}{2}$ " iron pipe, extending 17 feet above surface at top of prominent hill. Pipe is stamped "U.S.L.M.No.3747, SANTA CRUZ CO. ARIZONA, ESTABLISHED JUNE 14, 1921." Two large Juniper B.Ts. bear N.E., and an Oak B.T. bears S.W.

The E. $\frac{1}{4}$ Cor. of Section 2, T 20 S, R 14 E, G.& S.R. B.& M, is a standard G.L.O. $\frac{1}{4}$ cor.(pipe & brass cap).

Cap stamped for year 1923. Whence:- a 19" Juniper scribed S $\frac{1}{4}$, bears N $44^{\circ}54'W$, 42.07 feet, and a 14" Oak BT

scribed $S 1 \frac{1}{4}$ bears $S 81^{\circ}19'E$, 30.15 feet. (bearings and BT. distances taken to center of $\frac{1}{4}$ marks).

Cor.No.1, Daniels No. 3 Lode, Survey No.3747, is a 1" iron pipe, $2\frac{1}{2}$ feet above ground in mmt. of stones. Square brass cap on pipe stamped U.S,MIN.SURVEY NO.3747. 1 DANIELS 3, 1 DANIELS 5.

The difference in length of claim and distance from discovery point to end centers, as marked upon the ground and shown in this survey, and as described in location notice, is due to technical errors in location notice, and to difficulty of locator in estimating distances over precipitous and heavily timbered ground.

Respectfully submitted

Paul E. Fernald, U.S.Mineral Surveyor

Tucson, Arizona. January 2nd. 1926.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald
 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 _____
J. H. Bastian
 known as the IRON CAP lode
 and showing the respective capacities in which they acted.

- Ralph Lowthian _____, *Chainman.*
- _____, *Chainman.*
- _____, *Aceman.*
- _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~we~~ ^{XX} I, Ralph Lowthian
 and _____, do solemnly swear that ~~we~~ ^I assisted
Paul E. Fernald, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of J. H. Bastian
 known as the IRON CAP 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~~ ^{my} knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the Office Cadastral Engineer, at Phoenix,
~~United States Surveyor-General for~~ Arizona.

- Ralph Lowthian _____, *Chainman.*
- _____, *Chainman.*
- _____, *Aceman.*
- _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 5th

day of December, 1925

McLennan
Notary Public
 No 30 1925

W. H. ...
Notary Public

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Paul E. Fernald, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the ~~United States~~ ^{Office Cadastral}
~~Surveyor General for~~ ^{Engineer} ~~at Phoenix, Arizona~~, dated

October 1st. 1925., 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~~ ^{Office Cadastral Engineer}, faithfully and correctly executed the survey of the Mining
Claim of J. H. Bastian

known as the
IRON CAP lode,
situate in Tyndall Mining District,
Santa Cruz County, Arizona, in Section
2, Township No. 20 S., Range No. 14 E. G. & S.R.B. & M.
and designated as Survey No. 3992.

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~~ ^{Office Cadastral Engineer} 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.

Paul E. Fernald.
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald
U. S. Mineral Surveyor, before me O T Richy a
Nat. Pub. Lic. Tucson Ariz this 5th
day of December, 1925

My Commission expires Nov 30 1927
3d

O T Richy
Nat. Pub. Lic.

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

Department of the Interior,

OFFICE OF THE SURVEYOR-GENERAL,
PUBLIC SURVEY OFFICE,

Phoenix, Arizona,

February 1, 1926.

I, U. S. Surveyor-General for 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

J. H. Bastian

known as the IRON CAP lode

situate in Tyndall

Mining District, Santa Cruz County, Arizona

in Section 2, Township No. 20 S., Range No. 14 E., and

designated as Survey No. 3992, 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 1 cut, and 1 cut and tunnel, total value \$528.40

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.

John D. Adams

Office Cadastral Engineer at Phoenix, Arizona

United States Surveyor-General for

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

February 1, 1926

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 _____

J. H. Bastian

_____, known as the

IRON CAP lode

situate in _____ Tyndall _____ mining district,

Santa Cruz _____ County, _____ Arizona

in Section _____ 2 _____, Township No. _____ 20 S. _____, Range No. _____ 14 E.

_____, designated as Survey No. _____ 3992

executed by _____ Paul E. Fernald _____, U. S. Mineral

Surveyor, _____ October 9 - November 30 _____, 1925, under my instructions dated

October 1 _____, 1925, 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.

Office Cadastral Engineer at Phoenix, Arizona.