

4-688

MINERAL SURVEY No. 4122

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Estate of G.C. Young, deceased, Thomas Wills and Roy Fry.

KNOWN AS THE

ZILLA lode

Bunker Hill Mining District,

Pinal County, Arizona

Sections 2-35, Townships 7, 8 S., Range 18 E.

Surveyed under instructions dated Nov. 25, 1929 & Jan. 11, 1930

By [Signature] U. S. Mineral Surveyor.

Claim located See location notice, 19

Survey commenced November 30, 1929

Survey completed January 15, 1930

Address of claimant Fields Mining Corporation, Mammoth, Arizona.

DATES OF AMENDED LOCATIONS

See location notices

Feet.	MINERAL SURVEY NO. 4122 ZILLA Lode.
	<p>Beginning at Cor. No.1, identical with Location monument.</p> <p>An iron pipe 2 ins. diam with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 1-Z, 4122, with mound of stone alongside, whence the 1/4 Cor. bet. Secs. 35 and 2 , Tps 7 and 8 S., R. 18 E. brs. N. 81°15'W., 175.85 ft.</p> <p>No other bearings are available.</p> <p>Thence N. 70°24'W., Va. 14°E.</p>
300.0	<p>To S. end center, identical with Loc. Mon.</p> <p>An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed S. Cr. Z.</p>
400.0	Gulch brs. southerly.
600.0	<p>To Cor. No.2, identical with Loc. Mon.</p> <p>An iron pipe 2 ins. diam. with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 2, Z - 4122, with md of stone alongside, whence U.S. L.M. No.2577 brs. S.65°10'W., 7526.6 ft.</p> <p>No other bearings are available.</p> <p>Thence N.19°36'E. Va. 14° E.</p>
525.0	Gulch brs. southeasterly.
1500.0	<p>To Cor. No.3, identical with Loc. Mon.</p> <p>An iron pipe 2 ins. diam. with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 3,Z- 4122, with md of stone alongside., whence a cross (X) 3-4122 B R. chiseled on West end cliff 25 ft. high by 100 ft. long, brs. N. 21°W., 12 ft.</p> <p>No other bearings are available.</p> <p>Thence S. 70°24'E. Va. 14°E.</p>
200.0	Gulch brs. southerly.
300.0	<p>To N. end center, identical with Loc. Mon. A juniper post 3 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, Scribed N. Cr. Z.</p>
475.0	Gulch brs. southwesterly.
600.0	To Cor. No.4, identical with Loc. Mon.

Feet.

MINERAL SURVEY No. 4122
ZILLA Lode.

An iron pipe 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 4, Z- 4122.

No bearings are available.
Thence S. 19°36'W.
Va. 14°E.

1425.0 Pipe line brs. southeasterly.

1500.0 To Cor.No.1, the place of beginning.

Area.

Acres.

Total area, Zilla lode ----- 20.661

LOCATION.

This survey is located in the S. 1/2 Sec. 35, T.7 S., R.18 E. and the N.E. 1/4 Sec. 2, T. 8 S. R.18 E., in the Bunker Hill Mining District, Pinal County, Arizona.

INSTRUMENT.

This survey was made with a Buff & Buff mountain transit, the courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor or improvements, made upon or for the benefit of the location embraced in said mining claim by the claimants or their grantors is not less than five hundred dollars, and that said improvements consist of:

No.1 The discovery cut, the mouth of which being the discovery point is on the center line , 900 ft. from the center of line 1-2. 4 1/2 ft. wide, 10 ft. face running N. 45°E., 32 ft. to face, from face is a tunnel 4 x 6 ft. running N. 50° E. 15 ft. to face.

Value Cut and tunnel \$350.00

No.2 A shaft, the center of which brs from Cor. No.3 S.0°54'E., 700.0 ft. 4 x 6 ft. 8 ft. deep.

Value \$100.0

No. 3 A cut the mouth of which is on the center line, 275 ft. from the center of line 3-4, 4 1/2 ft. wide, 8 ft. face running S. 45°W., 12 ft. to face (covered)

Value \$100.0

no/ 4 A shaft, the center of which brs. from Cor. No.1 N.60° W., 175.0

MINERAL SURVEY NO. 4122

EXPENDITURE OF FIVE HUNDRED DOLLARS, Cont'd.

4 x 6 ft. 8 ft. deep.

Value \$100.0

No.5 A shaft, the center of which brs. from Cor. No.3 S.19°15'E.,
650.0 ft. 4 x 6 ft. 6 ft. deep.

Value \$60.0

LODE LINES.

As near as can be determined from the present developments, the
vein of this location extends as follows from its discovery.

N.19°36'E., 600 ft. and S. 19°36'W., 900.0 ft.

REPORT.

The corners were established by running around the claim.

The tie lines were run directly upon the ground.

U.S. L.M. No.2577 consists of a pine post 8 ins. sq by 7 ft. high
set in mound of stone 6 ft. base by 5 ft. high. The exact scribing
is not legible due to the weathered condition of the post.

The 1/4 Cor. between Secs 35 and 2 Tps.7,8 S., R.18 E. is an iron
post showing 2 ft. above ground, with brass cap, stamped 1/4 S.35-2.

Adjoining claims.

There are no adjoining or conflicting claims known.

Oath of assistant.

There being no Notary Public available within long distance
I proceeded to administer the necessary oath of my assistant.

MINERAL SURVEY No. 4122

do not include in transcript

SOLAR OBSERVATION.

Direct solar observation taken Saturday, Nov. 30, 1929

At 3:03 P.M. Solar time.

Lat. 32°46' -- Lon. 110°28' Difference in time 10h 25m.

Sun bisected.

$$\sin \frac{1}{2} A \sqrt{\frac{\sin(S-L)(S-H)}{\cos L \cos H}}$$

App't declination 21°37'15.2"

4 16.3

Declination 21°41'31.5"

90°

$$111°41'31.5" = P$$

L 32°46'

H 18°25'08" = App't H = 18°28', -Refrac = 2'52"

P 111°41'31.5"

2) 162°52'39.5

81°26'19.8" = S

S-L = 48°40'19.8"

9.8756076

S-H = 63°01'10.8"

9.9499559

0.0752651

0.0228382

2) 19.9236668

9.9618334 = 66°19'50" = 1/2 A

132°39'40" = A

180° - 132°39'40" = S 47°20' 20" W = Bearing of sun.

27°44' 20" = Ang. to left from sun

S 19°36' W Bearing of line 3-2

Set up at Cor. No. 3 F S to Cor. No. 2.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens

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

Estate of G.G. Young, deceased, Thomas Wills and Roy Fry

known as the ZILLA Lode.

and showing the respective capacities in which they acted.

Edwin A. Stone, Chainman.

Chainman.

Acman.

Flagman.

FINAL OATHS OF ASSISTANTS.

We, I, Edwin A. Stone

I

and _____, do solemnly swear that we assisted

T.N. Stevens

United States Mineral Surveyor, in marking the corners and surveying

deceased,

the boundaries of the mining claim of Estate of G.G. Young, Thomas Wills and Roy Fry

known as the ZILLA 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 ^{my} 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 Office Cadastral Engineer, at Phoenix, Arizona.

Edwin A. Stone, Chainman.

Chainman.

Acman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 15th

day of January, 1930,

[Signature]

T.N. Stevens

U.S. Mineral Surveyor

FINAL OATH OF U. S. MINERAL SURVEYOR

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated Nov. 25, 1929, Jan. 11, 1930, 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 Estate of G.G. Young, deceased, Thomas Wills, Roy Fry, known as the ZILLA Lode, situate in Bunker Hill Mining District, Pinal County, Arizona, in Sections 2-35, Township No. 7-8 S., Range No. 18 E. and designated as Survey No. 4122, 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 improvements made upon said mining claim by claimants 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.

T.N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said G N Stevens
U. S. Mineral Surveyor, before me Q J Richey a
Notary Public this 11th
day of February, 1930

My commission expires Nov 29 1931

Q J Richey
Notary Public

4-688

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,
PUBLIC SURVEY OFFICE

Phoenix, Arizona,

March 26, 1930

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

Estate of G.G. Young, deceased, Thomas Wills and Roy Fry

known as the ZILLA lode

situate in Bunker Hill

Mining District, Pinal County, Arizona

in Sections 2 & 35, Township No. 7 & 8 S., Range No. 18 E., and

designated as Survey No. 4122, 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 its grantors, and that said improvements consist of 3 shafts, 2 cuts, and 1 tunnel, total value \$710.

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.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

March 26, 1930

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 _____

Estate of G. G. Young, deceased, Thomas Wills and Roy Fry

_____, known as the

ZILLA lode

situate in _____ mining district,

Pinal County, Arizona

in Section s. 2 and 35, Township No. 7 & 8 S., Range No. 18 E.

_____, designated as Survey No. 4122

executed by T. H. Stevens, U. S. Mineral

Surveyor, Nov. 30, 1929 - Jan. 15, 1930, under my instructions dated

Nov. 25, 1929 and Jan. 11, 1930, 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.