

4-683

MINERAL SURVEY No. 4117

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

O.K. Franklin

KNOWN AS THE

MINNIE SMITH Lode.

Patagonia Mining District,

Santa Cruz County, Arizona.

Sections 19 and 20, Township 23 S., Range 16 E., Unsur

Surveyed under instructions dated Sept 12 Sept. 26, 19 29

by [Signature]

U. S. Mineral Surveyor.

Claim located See location notice, 19

Survey commenced September 17, 19 29

Survey completed September 27, 19 29

Address of claimant O.K. Franklin, P.O. Box 795 Nogales, Arizona.

DATES OF AMENDED LOCATIONS.

See location notice.

Feet.	MINERAL SURVEY NO. 4117 MINNIE SMITH Lode.
	<p>Beginning at Cor. No.1, identical with Loc.^{ation} 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, M.S.- 4117 with md. of stone alongside, whence U.S. M.M. No.2 brs: S. 31°26'E., 2149.5 ft.</p> <p>An oak tree 12 ins. diam. brs. N. 79°W., 34.5 ft., blazed and scribed 1-4117 B.T.</p> <p>No other bearings are available.</p> <p>Thence N. 64°15'W., Va. 13°45'E.</p>
170.58	To Cor. No.1 Lot 37 Guajolote lode, claimant unknown, hereinafter described.
300.0	To S. end center, identical with Loc. ^{ation} Mon. ^{ument} and N. end center Lot 37 Guajolote lode. A pine 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. Ct. M S, N. Ct. G.
467.15	To Cor. No.2 Lot 37 Guajolote lode, hereinafter described.
600.0	<p>To Cor. No.2, identical with Loc.^{ation} Monument.</p> <p>An iron pipe 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 2 M.S. - 4117 with md. of stone alongside.</p> <p>An oak tree 7 ins. diam. brs. N. 10°W., 23.7 ft.</p> <p>An oak tree 12 ins. diam. brs. S. 4°W., 11.5 ft. both blazed and scribed 2 - 4117 B.T.</p> <p>No other bearings are available.</p> <p>Thence N. 35°24'E. Va. 13°45'E.</p>
800.0	Gulch brs. northeasterly.
1500.0	<p>To Cor. No.3, identical with Loc.^{ation} Monument.</p> <p>An iron pipe 2 ins. diam. with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 3 M.S. -4117 with md. of stone alongside.</p> <p>An oak tree 10 ins. diam. brs. S. 45°W., 56.0 ft.</p> <p>No other bearings are available.</p> <p>Thence S. 64°15'E., Va. 13°45'E.</p>
300.0	<p>To N. end center, identical with Loc.^{ation} Monument.</p> <p>An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground</p>

Feet.

MINERAL SURVEY NO. 4117
MINNIE SMITH LODE.

and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high,
scribed N. Ct. M S.

600.0

To Cor. No. 4, identical with Loc^{ation} Monument

An iron pipe 2 ins. diam. with cap on top, 24 ins. above ground
set 18 ins. in the ground, stamped 4 M.S.- 4117 with md. of stone
alongside.

A juniper tree 12 ins. diam. brs. East. 4.5 ft.

No other bearings are available.

Thence S. 35°24'W.
Va. 13°45'E.

1500.0

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

AREA.

Total area, Minnie Smith lode ----- Acres. ✓
20.369

LOCATION.

This survey is located approximately in the ~~N.E.~~ 1/4 Secs 19, & 20,
T. 23 S., R. 16 E., ^{unsurveyed,} in the Coronado National Forest, Patagonia Mining
District, Santa Cruz 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 claimant or his grantors is not less than five hundred
dollars, and that said improvements consist of :

- No. 1 The discovery tunnel, the mouth of which being the discovery
point, on the lode line, 945.0 ft. from the center of line 1-2,
4 x 6 ft. running N. 20° E., 50 ft to Sta. 1, thence N. 85° E.,
20 ft. to Sta. 2, thence N. 21° E., 12 ft. to Sta. 3, thence
N. 20° E. 15 ft. to face. From Sta. 3 a tunnel 4 x 6 ft. running
N. 80° E., 15 ft. to face.

Total value \$ 1120.0

- No. 2 A shaft, the center of which brs. from cor. No. 4 S. 57° W., 732
ft. 4 x 6 ft. 25 ft. deep. Value \$ 250.

MINERAL SURVEY NO. 4117

EXPENDITURE OF FIVE HUNDRED DOLLARS -- Cont'd.

No.3 A cut, the mouth of which is on the center line, 837 ft.
from the center of line 1-2, 4 1/2 ft. wide, 8 ft. face running
N. 36° E., 15 ft. to face.
Value \$100.0

No.4 A tunnel, the mouth of which brs. from Cor. No.3 S.27°20'W.,
670 ft. 4 x 6 ft. running N. 38°E., 58 ft. to face.
Value \$580.0

No.5 A cut, the mouth of which brs. from Cor. No.3 S.27°20'W.,
720.0 ft. 4 1/2 ft. wide 10 ft. face running S. 20° W., 15 ft. to
face. from face is a tunnel 4 x 6 ft. running S. 20°W., 10 ft.
to face.
Value \$200.0

No.6 A shaft, the center of which is on the center line, 170 ft.
from the center of line 1-2, 4 x 6 ft. 8 ft. deep.
Value \$100.0

LODE LINE.

As near as can be determined from the present developments the
vein of this location extends as follows from its discovery.
N.35°24'E., 555.0 ft. and S. 35°24'W., 945.0 ft.

REPORT.

The corners were established by running around the claim.

The tie line was run directly upon the ground.

U.S. M.M. No.2 is an oak post 6 ins. diam. by 8 ft. high, set in
md. of stone 6 ft. base by 4 1/2 ft. high scribed U.S.M.M. No 2-P.D.

Lot 37, Guajolote lode: Cor. No.1 consists of a very old stone md.
the post having rotted away. Near it are two bearing trees consisting
of an oak 18 ins. diam. and a juniper tree 24 ins. diam. with its
scribing still legible.

Cor. No.2 consists of an oak post set in very old stone monument.
The scribing is not legible but nearby are two standing bearing
trees with scars which apparently were blazes at one time.

Line 1-2 fails to furnish the course and distance as approved
and same is properly given in these field notes. (Rec^{rd.} N.64°44'W., 300^{ft.})

MINERAL SURVEY NO. 4117
MINNIE SMITH Lode.

ADJOINING CLAIMS.

On the South; Lot 37, Guajolote lode.

OATH OF ASSISTANT.

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

do not include in transcript.

SOLAR OBSERVATION.

Direct solar observation taken Wednesday, September 18, 1929 at 8:37 A.M. Solar time.

Lat. 31°25' - Lon. 110°44'30" Difference in time - 4 hrs.

Sun bisected.

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

App't declination = 1°57'32.2 "
3'52.2 "
Dec'l = 1°53'40"

90° - 1°53'40" = 88°06'20" = P

L = 31°25'
h = 33°46'34" - App't h - 33°48', Refraction - 1'26"
P = 88°06'20"
2) 153°17'54"
S - 76°38'57"

S-L = 45°13'57"	9.8512396	9.8512402
S-H = 42°52'23"	9.8327493	9.8327492
	0.0688478	
	0.0802859	
2)	19.8331226	
	9.9165613	- 55°36'33" = 1/2 A.
		111°13'06'

180° - 111°13'06" = S 68°46'54"E = Bearing of sun.
104°11' = Ang. to right from Sun.
S 35°24' W = Course of line

Set up at cor. No.4, F.S. to cor. No.1

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

O.K. Franklin

known as the MINNIE SMITH lode.

and showing the respective capacities in which they acted.

H.A. Bostwick, Chainman.

Chainman.

Arman.

Flagman.

FINAL OATHS OF ASSISTANTS.

We, I, H.A. Bostwick

and I, do solemnly swear that we assisted

T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of O.K. Franklin

known as the MINNIE SMITH 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 instructions furnished by the Office Cadastral Engineer, at Phoenix, Ariz.

H. A. Bostwick, Chainman.

Chainman.

Arman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 27 th

day of September, 19 29

[Signature]

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 Sept. 12, 26, 1929, 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 O.K. Franklin, known as the Minnie Smith lode, situate in Patagonia Mining District, Santa Cruz County, Arizona, in Sections 19 and 20, Township No. 23 S., Range No. 16 E., Unsur. and designated as Survey No. 4117, 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 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.


U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. Stevens

U. S. Mineral Surveyor, before me Florence Conover

this 4th

day of November, 1929

my Commission expires
August 28, 1933.

Florence Conover
Notary Public

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

November 19, 1929

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

O. K. Franklin known as the MINNIE SMITH lode situate in Patagonia

Mining District Santa Cruz County Arizona in Section 20 19 and, Township No. 23 S., Range No. 16 E., Unsur., and designated as Survey No. 4117

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 his grantors, and that said improvements consist of 2 cuts, 2 shafts and 3 tunnels, total value \$2350.

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.

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CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

November 19, 1929

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

O. K. Franklin

, known as the

MINNIE SMITH lode

situate in Patagonia mining district,

Santa Cruz County, Arizona,

in Sections 19 and 20, Township No. 23 S., Range No. 16 E., Unsur.,

, designated as Survey No. 4117

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

Surveyor, September 17 - 27, 1929, under my instructions dated

September 12 & 26, 1929, 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.