

MINERAL SURVEY No. 3977

Arizona. Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

J.H. Aikins and F. R. Moulton

KNOWN AS THE

VIRGINIA, FRANCIS and MARTHA BELLE lodes.

Canon del Oro Mining District,

Pinal County, Arizona.

Sections 5, 6, and 1, Township 10 S., Ranges 14 and 15 E.

Surveyed under instructions dated February 19, 19 25

by J.N. Stevens U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced March 9, 19 25

Survey completed March 12, 19 25

Address of claimant E.T. Cusick, Atty. for claimants, Herford Bldg, Tucson Ariz.

DATES OF AMENDED LOCATIONS.

Feet.

MINERAL SURVEY NO. 3977

VIRGINIA Lode.

Beginning at Cor. No. 1, identical with Loc. Mon. and Cor. No. 4
Sur. No. 1547 Gold Hill lode, claimant unknown.

A pine post 4 ins. sq. 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 1 V - 3977, 4 G H -1547, whence 1/4 Cor. bet. Secs. 5 and 8
T. 10 S. R. 15 E. brs. S. 41°46' E., 687.91 ft.

No other bearings are available.

Thence N. 22°11' E.
Va. 13°30' E.

50.0 Road brs. southeasterly.
300.0 To E. end center, identical with Loc. Mon. and W. end Center
Sur. No. 1547 Gold Hill lode.

A pine post 4 ins. sq. 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
E. Cr. V, W. Ct. G.H.

600.0 To Cor. No. 2, identical with Loc. Mon. and Cor. No. 3 Sur. No. 1547
Gold Hill Lode.

An iron pipe 1 in. diam., with cap on top, 18 ins. above ground,
set 18 ins. in the ground, stamped 2 V - 3977, 3 G.H.-1547. with
md. of stone alongside.

No bearings are available.

Thence N. 71° 51' W.
Va. 13°30' E.

1469.6 To Cor. No. 3, identical with Loc. Mon. and Cor. No. 4 Francis lode
of this Sur.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground,
set 18 ins. in the ground, stamped 3 V, 4 F - 3977. with md of stone
alongside.

No bearings are available.

Thence S. 22° 11' W.
Va. 13°30' E.

300.0 To W. end center, identical with Loc. Mon. and E. end center
Francis lode of this Sur.

A pine post 4 ins. sq 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
W. Cr. V and E Cr. F.

420.0 Road brs. southeasterly.

Feet.	MINERAL SURVEY NO. 3977
	Virginia lode - Cont'd.
600.0	To Cor. No.4, identical with Loc. Mon. and Cor. No.3 Francis lode of this Sur. A pine post 4 ins. sq 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 4 V, 3 F - 3977. No bearings are available. Thence S. 71° 51' E. Va. 13°30' E.
1469.6	To Cor. No.1, the place of beginning. FRANCIS Lode. Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No. 1 Martha Belle lode of this Sur. An iron pipe 1 in. diam, with cap on top, 18 ins. above ground set 18 ins. in the ground, stamped 1 F, 1 M B - 3977, with md of stone alongside, whence the E. 1/4 Cor. Sec. 1, T. 10 S. R. 14 E., brs N. 82°56' W. 381.15 ft. No other bearings are available. Thence S. 22°11' W. Va. 13°30' E.
240.0	Road brs. easterly.
300.0	To W. end center, identical with Loc. Mon. and E. end center Martha Belle lode of this Sur. A pine post 4 ins. sq 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 W. Cr. F. , E Cr. M B.
600.00	To Cor. No.2 , identical with Loc. Mon. and Cor. No. 2 Martha Belle lode of this Sur. An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, Stamped 2 F, 2 M B - 3977., whence the Cor. to Secs. 5,6,7 and 8 T.10S.,R. 15 E. brs. S. 23°36' E., 1566.53 ft. No other bearings are available. Thence S. 71°51' E. Va. 13°30' E.
1500.0	To Cor. No.3, identical with Loc. Mon. and Cor. No.4 Virginia lode of this Sur., heretofore described.

Feet.	MINERAL SURVEY NO. 3977
	FRANCIS Lode - Cont'd.
	Thence N. 22°11' E. Va. 13°30' E.
180.0	Road brs. southeasterly.
300.0	To E end center, identical with Loc. Mon. and W. end center Virginia lode of this Sur., heretofore described.
600.0	To Cor. No.4, identical with Loc. Mon. and Cor. No. 4 ³ Virginia lode of this Sur., heretofore described.
	Thence N. 71° 51' W. Va. 13°30' E.
1500.0	To Cor. No.1, the place of beginning.
	MARTHA BELLE Lode.
	Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.1 Francis lode of this Sur., heretofore described, whence the E. 1/4 of Cor. Sec. 1, T. 10 S. R. 14 E. brs. N. 82°56' W., 381.15 ft.
	Thence S. 22° 11' W. Va. 13°30' E.
240.0	Road brs. easterly.
300.0	To E. end center, identical with Loc. Mon. and W. end center Francis lode of this Sur., heretofore described.
600.0	To Cor. No.2, identical with Loc. Mon. and Cor. No.2 Francis lode of this Sur., heretofore described.
	Thence N. 71° 51' W. Va. 13°30' E.
1500.0	To Cor. No.3, identical with Loc. Mon. An iron pipe 1 in. diam., with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 3 M B - 3977, with md. of stone alongside. No bearings are available.
	Thence N. 22°11' E. Va. 13°30' E.
300.0	To W. end Center, identical with Loc. Mon. A pine post 4 ins. sq. 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 W. Cr. M B.
460.0	Road brs. southeasterly.
600.0	To Cor. No.4, identical with Loc. Mon. An iron pipe 1 in. diam., with cap on top, 18 ins. above ground,

Feet.

MINERAL SURVEY NO. 3977

MARTHA BELLE Lode - Cont'd.

set 18 ins. in the ground, stamped 4 M B - 3977, with ind. of stone alongside.

No bearings are available.

Thence S. 71°51' E.
Va. 13°30' E.

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

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LODE LINES .

As near as can be determined from the present developments, the veins of the several locations embraced in this Sur., extend as follows from their respective discovery points;

VIRGINIA Lode.

610.0 ft. S.71°51' E., and 859.6 ft. N. 71°51' W.,

FRANCIS Lode.

650.0 ft. N.71°51' W., and 850.0 ft. S. 71°51' E.

MARTHA BELLE Lode.

400.0 ft. N. 71°51' W., and 1100.0 ft. S; 71°51' E.

AREA.

	Acres.
Total area Virginia lode. -----	20.192 ✓
Total area Francis lode. -----	20.610 ✓
Total area Martha Belle lode. -----	20.610 ✓

The survey of each lode of this location is identical with the respective locations as staked upon the ground.

LOCATION.

This survey is located in Secs. 5 and 6 T.10s., R.15 E., and the E. 1/2 Sec. 1 T.10 S. R. 14 E., G & S. R. M.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

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

Virginia lode.

No.1, the discovery shaft, on the center line 610.0 ft. from the

MINERAL SURVEY NO. 3977

EXPENDITURE OF FIVE HUNDRED DOLLARS - Cont' d.

Virginia Lode.

center of line 1-2 , 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.2, A shaft, the center of which brs. from Cor. No.1, N. 61°50' W.,
535.0 ft., 4 x 6 ft. 50 ft. deep.

Value \$500.0

No.3 A tunnel, the mouth of which brs. from Cor. No.1 N. 27°50' W.,
165.0 ft. 4 x 6 ft., running N. 68° W., 275.0 ft.

Value \$2750.0

No.4, A tunnel, the mouth of which brs. from Cor. No.1, N.3°20' W.,
172.0 ft., 4 x 6 ft. running N. 48° E., 80.0 ft. to face.

Value \$800.0

No.5 A cut, the mouth of which is on the center line 140.0 ft. from
the center of line 1-2, 4 1/2 ft. wide, 8 ft. face, running N.3° W.
30 ft. to face, form face is a tunnel, 4 x 6 ft. running N. 3° W.,
10 ft. to face.

Value Cut and Tunnel \$250.0

Francis lode.

No.1, the discovery point, on the center line 650.0 ft. from the
center of line 1-2 , A md. of stone on cropping.

No value.

No.2, A shaft, the center of which brs. from Cor. No.1 S. 50°30' E.,
665.0 ft., 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.3, A shaft, the center of which brs. from Cor. No.1, S. 50°30' E.
690.0 ft., 4 x 6 ft. 50 ft. deep.

Value \$500.0

No.4 A shaft, the center of which brs. from Cor. No.1, S. 52° E.,
705.0 ft. , 4 x 6 ft. 8 ft. deep.

Value \$80.0

No.5 A shaft, the center of which brs. from Cor. No. 4 S. 55°45' W.
310.0 ft. 4 x 6 ft. 8 ft. deep.

Value \$80.0

No.6 A shaft, the center of which brs. from Cor. No.4, S.27°45' W.
205.0 ft. 4 x 6 ft. 8 ft. deep.

Value \$60.0

MINERAL SURVEY NO. 3977

EXPENDITURE OF FIVE HUNDRED DOLLARS. - Cont'd.

MARTHA BELLE Lode.

No.1, the discovery point, on the center line 4 00 ft. from the center of line 3-4, a md of stone on cropping.
No Value.

No.2 A shaft, the center of which brs' from Cor. No.4 S. 38°15' E., 450.0 ft. 4 x 6 ft. 10 ft. deep.
Value \$100.0

No.3 A shaft, the center of which brs. from Cor. No.4 S. 41° E., 480.0 ft. 4 x 6 ft. 10 ft. deep.
Value \$100.0

No.4 A shaft, the center of which brs. from Cor. No.1 S. 62°15' W., 65 ft., 4 x 6 ft. 8 ft. deep.
Value \$80.0

No.5 A shaft, the center of which brs. from Cor. No.2 N. 36° W., ^{80ft.} 4 x 6 ft. 100.0 ft. deep.
Value \$1000.0

OTHER IMPROVEMENTS.

An adobe house, the S.W. Cor. of which brs. from. Cor. NO. 2 Martha Belle lode, N. 59°30' W., 440.0 ft.

INSTRUMENT.

This survey was made with a Gurley 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.

Report.

The lode line of each location of this claim was run directly upon the ground, and the corners were established by running around the claims. All tie lines were run directly upon the ground.

The 1/4 Cor. bet. Secs. 5 and 8 T. 10 S. R. 15 E. is a granite rock 8 x 10 ins. showing 10 ins. above ground, chiseled 1/4. on S. face.

The E. 1/4 Cor. Sec. 1, T 10 S. R. 14 E. is a granite rock 8 x 10 ins. showing 12 ins. above ground, chiseled 1/4. on the W. face.

The Cor. to Secs. 5, 6, 7, and 8 T. 10 S. R. 15 E. is a granite rock 8 x 10 ins. showing 12 ins. above ground, chiseled with 5 notches on the E. face and 5 notches on the W. face.

MINERAL SURVEY NO. 3977

REPORT - Cont'd.

Cor. Nos. 3 and 4 Sur. No.1547 Gold Hill lode were pine posts properly set and scribed with the number of the corner and the survey. Cor. No.3 was found to be in badly decayed condition and unsuitable for permanent corner. I set an iron pipe in the exact position of the original corner, stamped with the number of the corner and the survey. Line 3-4 fails to furnish the course as approved (S.21°15' W.) and same is properly given in these field notes.

The record of Sur. No.1547 shows the Gold Hill lode to be in Sec.1 T.10S.R.14E. this claim as staked upon the ground is in Sec. 5 T. 10 S. R. 15 E.

ADJOINING CLAIMS.

On the East, Sur. No.1547, Gold Hill lode.

No other adjoining or conflicting claims known.

SOLAR OBSERVATION.

do not inc. in transcript

Direct solar observation taken Tues. March 10, 1925. at 9 A M Solar time.- Sun bisected. Lat. 32°35' 20" Lon. 110°51'

Difference in time = 4 h 23 m

Apparent declination = 4° 11' 20.9"

4' 19.7"

4° 7' 4 "

90°

P = 94° 07' 04 "

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

L = 32°35' 20"

H = 33°18' 32" (App't H - 33°20')

P = 94°07' 04"

2) 160°00' 56"

80° 00'28"

S-L = 47°25' 08"

S-H = 46°41' 56"

9.8670640 ⁶⁷

9.8619880

0.0744008 ²⁵

0.0779381 ²⁸⁰

2) 19.8813909

9.9406954 ⁴⁰

= 60°44' = 1/2 A.

121°28' = A.

180° - 121°28' = S.58° 32' E.

13° 19'

Ang. to left from Sun.

S 71° 51' E., Course of line. - Set up at Cor.

No.2 Francis lode, FS to cor. 3

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

J. H. Aikins and F. R. Moulton

known as the VIRGINIA, FRANCIS and MARTHA BELLE lodes

and showing the respective capacities in which they acted.

W. H. Coplen, *Chainman.*

Chainman.

Asman.

Flagman.

FINAL OATHS OF ASSISTANTS.

We, I, W. H. Coplen,

and T. N. Stevens, 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 J. H. Aikins and F. R. Moulton

known as the VIRGINIA, FRANCIS and MARTHA BELLE lodes.

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 United States Surveyor-General for Arizona.

W. H. Coplen, *Chainman.*

Chainman.

Asman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 11th

day of April, 1925

Mabelle Hess

Notary Public

*My com. expires
Feb. 6, 1928*

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 United States Surveyor General for Arizona, dated February 19, 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, faithfully and correctly executed the survey of the Mining Claim of J. H. Aikins and F. R. Moulton, known as the VIRGINIA, FRANCIS and MARTHA BELLE lodes, situate in Canon del Oro Mining District, Pinal County, Arizona, in Section 5, 6 and 1, Township No. 10 S., Range No. s 14 and 15, E.G. & S. R. M., and designated as Survey No. 3977, 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 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 T. N. Stevens
U. S. Mineral Surveyor, before me Mabelle Hess, a notary
Public in and for Pima County this 11th
day of April, 1925

My com. expires
Feb 6, 1928

Mabelle Hess
Notary Public

**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......

.....April 28....., 1925

I, U. S. Surveyor General forArizona.....

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

.....J. H. Aikins, and F. R. Moulton.....

....., known as the

.....VIRGINIA, FRANCIS, and MARTHA BEELE lodes

situate inCanon del Oro..... mining district,

.....Pinal..... County,Arizona.....

in Section 5, 6 and 1, Township No. 10 S., Range No. 14 & 15 E.

....., designated as Survey No. 3977

executed byT. M. Stevens....., U. S. Mineral

Surveyor,March 9 - 12....., 1925, under my instructions dated

.....February 19....., 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.

.....Charles M. Donohoe.....

U. S. 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.

April 28, 1925.

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

L. H. Aikins, and F. R. Moulton

, known as the

VIRGINIA, FRANCIS, and MARTHA BELLE lodes

situate in Canon del Oro mining district,

Pinal County, Arizona

in Sections 5, 6 and 1, Township No. 10 S., Range No. 14 & 15 E.

, designated as Survey No. 3977

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

Surveyor, March 9 - 12, 1925, under my instructions dated

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made a part of the transcript of the field notes.

Charles M. Donohoe

U. S. Surveyor General for Arizona.