

MINERAL SURVEY No. 3968

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

F. E. Murphy

KNOWN AS THE

CUNQUIAN lode

Cababi Mining District,

Pima County, Arizona.

Sections 9 and 16, Township 16 S., Range 4 E., Unsur.

Surveyed under instructions dated November 13, 1924

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

Claim located See location notice, 19

Survey commenced November 23, 1924

Survey completed November 25, 1924

Address of claimant Louis R. Kemp, Box 1475, Tucson, Ariz. Atty.

DATES OF AMENDED LOCATIONS.

Feet.

MINERAL SURVEY NO. 3968

CUNQUIAN Lode.

Beginning at Cor. No.1, identical with Loc. Mon.

A limestone rock 6 x 10 x 12 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 1 - C - 3968, with md of stone 3 1/2 ft base by 3 ft. high alongside.

U. S. M. H. No. 4 brs. N. 64° 24' 20" E., 4591.1 ft.

The Std. Cor. to Secs. 33 - 34 T.15 S., R.4 E. unapproved brs.

N. 8° 08' E., 10074.9 ft.

No other bearings are available.

Thence S. 30° 02' E.

Va. 13° 30' E.

30.0 Gulch brs. southwesterly.

300.0 To E. end center, identical with Loc. Mon.

An iron pipe 1 in. diam. by 4 ft. high, driven firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high stamped E Cr. C.

600.0 To Cor. No.2, identical with Loc. Mon.

A porphyry rock 8 x 10 x 12 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 2 C- 3968.

No bearings are available.

Thence S. 59° 58' W.

Va. 13° 30' E.

1500.0 To Cor. No.3, identical with Loc. Mon.

A porphyry rock 8 x 10 x 12 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 3 - C- 3968, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

A Palo Verde tree 8 ins. diam. brs. N. 70° W., 46.5 ft. blazed & scribed 3- 3968 B.T.

No other bearings are available.

Thence N. 30° 02' W.

Va. 13° 30' E.

300.0 To W. end center, identical with Loc. Mon.

An iron pipe 1 in. diam. by 4 ft. high, driven firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high, stamped W Cr. C.

600.0 To Cor. No.4, identical with Loc. Mon.

A porphyry rock 10 x 10 x 12 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 4 - C - 3968, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

Feet.

MINERAL SURVEY NO. 3968

CUNQUIAN Lode - Continued.

No bearings are available.

Thence N.59° 58' E.

Va. 13° 30' E.

1495.0

Gulch hrs. southwesterly.

1500.0

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

AREA

Total area -----20.661 Acres

LODE LINE.

As near as can be determined from the present developments, the vein of the location embraced in this claim, extends as follows from its discovery point:

450.0 N.59°58' E., and 1050.0 S. 59° 58' W.

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

LOCATION.

This survey is located approximately in Secs. 9 and 16, T.16 S., R. 4 E., Unsurveyed, G. & S. R. M.

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EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and 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 point, on the center line 450. ft. from the center of line 1-2. A md. of stone on cropping.

No value.

No.2 A shaft, on the center line 495. ft. from the center of line 1-2, 4 x 6 ft. 175.0 ft. deep.

Value \$1750.0

No.3, A shaft, the center of which hrs. from Cor. No.2 N.83°45' W.,
ft.,
525.0, 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.4 A shaft, the center of which hrs. from Cor. No.2 N. 82° W.,
515.0 ft. 4 x 6 ft. 20 ft. deep.

Value \$200.0

No.5 A shaft, the center of which hrs. from Cor. No. 2 N. 77°30' W.,
495.0 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.6 A shaft, the center of which hrs. from Cor. No.2 N.75° 15' W.

MINERAL SURVEY NO. 3968

CUNQUIAN LODE.

EXPENDITURE OF FIVE HUNDRED DOLLARS - Cont'd.

495.0 ft. 4 x 6 ft. 10 ft. deep.

Value \$100.0

No.7 A shaft., the center of which brs. from Cor. No.2 S.87°45'W.

625.0 ft. 4 x 6 ft. 8 ft. deep.

Value \$80.0

No.8 A shaft, on the center line, 570 ft. from the center of line

1-2, 4 x 6 ft. 8 ft. deep.

Value \$80.0

No.9 A shaft, on the center line, 615 ft. from the center of line

1-2, 4 x 6 ft. 80 ft. deep.

Value \$800.0

No.10 A shaft on the center line, 670.0 from the center of line

1-2, 4 x 6 ft. 20 ft. deep.

Value \$200.0

No.11 A shaft, the center of which brs. from Cor. No.2 S.83°30'W.

770. ft. 4 x 6 ft. 20 ft. deep.

Value.\$200.0

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

U.S. M.M. No.4 consists of an old md of stone 4 ft. base by 3 ft. high, the post has been completely destroyed. Its identity was established beyond doubt from its relative position from patented

claims in the district. Its situation is on the summit of a peak .

In the center of this monument I set an iron pipe 2 ins. diam. 10 ft. high, surrounded with md of stone 6 ft. base by 4 ft. high, stamped U.S.M.M. No.4 C. M.D.

No corners of the public survey within two miles can be found
The Std. Cor. to Secs. 33-34 on the 3 d Std. Par. South, unapproved
is an iron pipe, capped, stamped S.C. S.33, S.34, T.15 S., R.4 E,
1924.

There are no adjoining or conflicting claims known.

MINERAL SURVEY NO. 3968

do not include in transcript.

SOLAR OBSERVATION.

Direct Solar observation taken Monday Nov. 24, 1924 at 9:32 A M

Solar time, - Sun bisected - Lat. 32° 02' - Lon. 111° 56'

Difference in time 5 hrs.

Apparent declination. 20° 33' 22.3 "

Dec'l = $\frac{2' 32''}{20^\circ 35' 54''}$

P = 90° + Dec'l = 110° 35' 54" Sin 1/2 A = $\frac{\sqrt{\sin(S-L)(S-H)}}{\cos L \cos H}$

L = 32° 02' H = 29° 25' 20" (Apparent Alt. 29° 27' - 1' 40" Refraction)

P = 110° 35' 54"

2) $\frac{172^\circ 03' 14''}{S = 86^\circ 01' 37''}$

S-L = 53° 59' 37"

S-H = 56° 36' 17"

9.9079224

9.9216309

0.0717375

0.0599702

2) $\frac{19.9612610}{9.9806305}$

= 73° 01' 146° 02'

180° - 146° 02' = S 33° 58' E = bearing of Sun.

$\frac{86^\circ 04'}{120^\circ 02'}$ = Ang. to left from Sun.

= N. 59° 58' E. Course of line.

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 _____

F.E. Murphy

known as the CUNQUIAN lode

and showing the respective capacities in which they acted.

S. C. Wood, Chainman.

Chainman.

Aceman.

Flagman.

FINAL OATHS OF ASSISTANTS.

We, I, S.C. Wood

and _____, do solemnly swear that ~~we~~^I assisted _____

T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of F.E. Murphy

known as the CUNQUIAN 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 United States Surveyor-General for Arizona.

S. C. Wood, Chainman.

Chainman.

Aceman.

Flagman

Subscribed and sworn to by the above-named persons before me this 28th

day of November, 1924

Hubel M. Lander
Notary Public

*My Com. expires
June 4 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 November 13, 1924, 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 F. E. Murphy, known as the CUNQUIAN Lode, situate in Cababi Mining District, Pima County, Arizona, in Section 9 and 16, Township No. 16 S, Range No. 4 E. Unsurveyed, and designated as Survey No. 3968, 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.

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

Subscribed and sworn to by the said

U. S. Mineral Surveyor, before me

Public, Pima County, Arizona this 28th day of November, 1924

T. N. Stevens
R. W. Langworthy Notary

R. W. Langworthy
 Notary Public

My comm. exp. July 19, 1928

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

February 2, 1925.

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

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

F. E. Murphy

known as the CUNQUIAN lode

situate in Cababi

Mining District, Pima County, Arizona

in Section 9 & 16, Township No. 16 S., Range No. 4 E., Unsur., and

designated as Survey No. 3968, 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 10 shafts, total value \$3610.

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.

Charles M. Donohoe

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

February 2, 1925

I, U. S. Surveyor General for District of Arizona

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

F. E. Murphy

, known as the

CUNQUIAN lode

situate in Gababi mining district,

Pima County, Arizona

in Sections 9 & 16, Township No. 16 S., Range No. 4 E., Unsur.,

designated as Survey No. 3968

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

Surveyor, November 23 - 25, 1924, under my instructions dated

November 13, 1924, 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.