

4-683

MINERAL SURVEY No. 3973

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

St Anthony Mining and Development Co.

KNOWN AS THE

REMNANT EXTENSION Lode.

Old Hat Mining District,  
Pinal County, Arizona.

Section s 26 - 27, Township 8 S., Range 16 E.

Surveyed under instructions dated December 15, 1924

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

Claim located See location notices, 19

Survey commenced February 4, 1925

Survey completed February 5, 1925

Address of claimant R. W. Langworthy, Box 45, Tucson, Arizona,  
Atty. for claimant.

DATES OF AMENDED LOCATIONS.

Feet.

## MINERAL SURVEY NO. 3973

## REMNAINT EXTENSION Lode.

Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.5  
Sur. No.807 Remnant lode, Claimant herein.

An iron pipe 1 in. diam. with cap on top 18 ins. above ground,  
set 18 ins. in the ground stamped 1 R E -3973, 5 R - 807 with md.  
of stone alongside, whence the 1/4 Cor. bet. Secs.26-27 T.8 S., R.16  
E., brs. S. 4° 53' 40" W., 1019.45 ft.

Cor. No.3, Sur. No.804 Raven lode, Claimant herein, brs. N.36°38'W.,  
393.43 ft.

No other bearings are available.

Thence N.45°05' E.

Va. 13°30' E.

159.91 Intersect line 2-3 Sur. No. 804 Raven lode at S.59°46' E.,402.78  
ft. from Cor. No.3 and N. 59° 46' W., 1094.62 ft. from Cor. No.2.

300.0 To E. end center, identical with Loc. Mon. and Cor. No.4 Sur. No.  
807 Remnant lode.

A pine post 5 ins. sq. showing 3 ft. above ground, surrounded with  
md of stone, scribed E. Cr. R.E., 4 R- 807.

600.00 To Cor. No.2, identical with Loc. Mon. and Cor. No.3 Sur. No.807  
Remnant lode, also S.W. Cor. Quien Sabe lode, Uns., claimant herein.

An iron pipe 1 in diam. with cap on top 18 ins. above ground,  
set 18 ins. in the ground, stamped 2 R E - 3973, 3 R - 807.

No bearings are available.

Thence N.45°56' W.

Va. 13°30'E.

626.14 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 R E - 3973.

No bearings are available.

Thence S. 45° 05' W.

Va. 13°30' E.

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

A mesquite 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 W. Cr. RE.

Feet.

MINERAL SURVEY NO. 3973

REMNANT EXTENSION Lode.

360.0 Edge of dry wash brs. northeasterly.

600.0 To Cor. No.4, 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 4 R E - 3973. with md. of stone alongside.

No bearings are available.

Thence S. 45° 56' E.  
Va. 13°30' E.

100.0 Edge of dry wash brs. northeasterly.

253.52 Intersect line 3-5 Sur. No.804 Raven lode at S. 30° 15' W.65.47 ft. from Cor. No.3 and N. 30° 15' E. 549.6 ft. from Cor. No. 5.

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

-----oOo-----

LODE Line.

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

S.45°56' E.10.0 ft. and N. 45°56' W., 616.14 ft.

AREA.

Total area Remnant Extension lode. -----	Acres. 8.623
Area in conflict with-	
Sur. No.804 Raven lode.-----	0.987

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

LOCATION.

This survey is located in the NW 1/4 Sec. 26 and the NE 1/4 Sec. 27 T. 8 S. R. 16 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 the location embraced in said mining claim by the claimant or its grantors, is not less than five hundred dollars, and that said improvements consist of:

No.1, the discovery shaft, on the center line 10 ft. from the center of line 1-2 , 4 x 6 ft. 10 ft. deep.

Value \$100.0

MINERAL SURVEY NO. 3973

EXPENDITURE OF FIVE HUNDRED DOLLARS.

No. 2 A tunnel, the mouth of which brs. from Cor. No.1, N. 10 ° E.,  
4 x 6 ft.  
230.0 ft. running S. 85° E., 8 ft. to face.

Value \$80.0

No.3, A tunnel, the mouth of which brs. from Cor. No. 2 N.82° W.,  
80 ft. 4 x 6 ft. running S. 60 ° W., 80 ft. to face.

Value \$800.0

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 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.

Sur. No.804 Raven lode all corners are pine posts properly set and scribed with the number of the corner and the survey. Lines 2-3 and 3-5 fail to furnish the course and distance as approved , (S.60° E., 1500<sup>ft</sup> and S. 30° W. 600 ft), and same are properly given in these field notes.

The 1/4 Cor. bet. Secs. 26 and 27 T. 8 S. R. 16 E. consists of an oak post 4 ins. sq. by 4 ft. high, set firmly in the ground and s surrounded with md of stone., scribed. S. 26, S27, T. 8 S. R. 16 E.

The location notice describes a full claim. As my survey of this claim is identical with monuments on the ground apparently the location notice is in error.

ADJOINING CLAIMS.

On the East Sur. No.807 Remnant lode,

On the South Sur. No.804 Raven lode.

MINERAL SURVEY NO. 3973

*do not include in transcript.*  
SOLAR OBSERVATION.

Direct solar observation taken Wednesday February 4, 1925

at 2:17 P.M. Solar time. Sun bisected. Lat  $32^{\circ}44'$  - Lon.  $110^{\circ}41'$ 

Difference in time 9 h 40 m

Apparent declination.  $16^{\circ}17'3.7''$ 

$$\begin{array}{r} \text{Dec'l} = \frac{7'12''}{16^{\circ}09'52''} \\ \frac{90^{\circ}}{106^{\circ}09'52''} \end{array}$$

L =  $32^{\circ}44'$ H =  $34^{\circ}18'36''$  ( App't Alt.  $34^{\circ}20'$  )p =  $106^{\circ}09'52''$   $\frac{1'24''}{34^{\circ}18'36''}$ 2)  $173^{\circ}12'28''$   $34^{\circ}18'36''$ S =  $86^{\circ}36'14''$ S-L =  $53^{\circ}52'14''$   
S-H =  $52^{\circ}17'38''$ 

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

9.9072429

9.8982634

0.0751026

0.0830200

2)  $19.9636289$  $9.9818144 = 73^{\circ}32' = \frac{1}{2} A$   
 $147^{\circ}04' = A$  $180^{\circ} - 147^{\circ}04' = S 32^{\circ}56' W. = \text{Bearing of Sun.}$  $\frac{12^{\circ}09'}{S 45^{\circ}05' W} \text{ Ang. to Rt from sun.}$ 

Course of line.

Set up at Cor. No.2- 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 \_\_\_\_\_

St. Anthony Mining and Development Co.

known as the REMNANT EXTENSION Lode.

and showing the respective capacities in which they acted.

S. C. Wood, *Chainman.*

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Arman.*

\_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, I, S. C. Wood

and \_\_\_\_\_, 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 St. Anthony Mining and Development Co.

known as the REMNANT EXTENSION 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.*

\_\_\_\_\_, *Arman.*

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 30<sup>th</sup>

day of March, 1925

*My Com. expires  
Feb. 6, 1928*

Mabelle Hess

Notary Public

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 December 15, 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 St Anthony Mining and Development Co., known as the REMNANT EXTENSION lode, situate in Old Hat Mining District, Pinal County, Arizona, in Sections 26 - 27, Township No. 8 S., Range No. 16 E., G. & S. R. M., and designated as Survey No. 3973, 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 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.

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 the County of Pima this 30th
day of March, 1928

My Commission expires Feb. 6, 1928

Mabelle Hess
Notary Public

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

May 5, 1925.

I, U. S. Surveyor-General for Arizona

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

St. Anthony Mining and Development Co.

known as the REMNANT EXTENSION lode

situate in Old Hat

Mining District, Pinal County, Arizona

in Section 26 - 27, Township No. 8 S., Range No. 16 E., and

designated as Survey No. 3973, 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 1 shaft and 2 tunnels, total value \$980.

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.



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**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.

May 5, 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

St. Anthony Mining and Development Co.

, known as the

REMNAINT EXTENSION lode

situate in Old Hat mining district,

Pinal County, Arizona

in Sections 26 - 27, Township No. 8 S., Range No. 16 E.

, designated as Survey No. 3973

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

Surveyor, February 4 - 5, 1925, under my instructions dated

December 15, 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.