

MINERAL SURVEY No. 4176

Arizona Land District

**FIELD NOTES**

OF THE SURVEY OF THE MINING CLAIM OF

Copper Mountain Apex Mines Ltd.

KNOWN AS THE

Defiance lode

Agua Fria Mining District,

Yavapai County, Arizona

Section 20, Township 12 N, Range 2 E

Surveyed under instructions dated July 25, 1934

By Richard L. Merritt  
U. S. Mineral Surveyor.

Claim located See Location Notice, 1934

Survey commenced Sept. 16<sup>th</sup>, 1934

Survey completed Sept 23<sup>rd</sup>, 1934

Address of claimant Norris & Patterson Attorneys  
Prescott Arizona.

DATES OF AMENDED LOCATIONS

See Location Notice



Feet

Mineral Survey No. 4176 was made with a Lietz Transit No. 10256, Model No. 11E, with horizontal limb 5 ins. diam., having two double opposite verniers, and full vertical circle 4 ins. diam., having one double vernier; the verniers read to one minute of arc; a prismatic eye piece with colored glass shade was attached to the eye piece of the transit for the solar observations. The instrument was in good condition at the time of the survey and all adjustments were in good order. A P. M. altitude observation of the sun for time and azimuth, and at noon on the meridian for latitude, were made at the point of beginning, the details of which observations are shown in the calculation sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a Lufkin steel tape 500 feet in length, graduated every foot, the first foot being graduated to tenths and hundredths.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of  $14^{\circ}00'E$ .

## DEFIANCE LODGE

Beginning at Cor. No. 1 of the Defiance Lodge, which agrees with a corner of the location, where I

Set a schist stone, 24x10x8 ins., 12 ins. in the ground for Cor. No. 1, mkd. X D-1-4176; from which

The cor. of secs. 17, 18, 19 and 20, T. 12 N., R. 2 E., G. & S. R. B. & M., bears N.  $38^{\circ}34'W$ . 506.23 ft. dist.; a schist stone 8x10x14 ins. above ground, firmly set, marked and witnessed as described in the official record.

Cor. No. 4 Sur. No. 2308 Idaho Lode bears S.  $72^{\circ}44'E$ , 275.87 ft. dist.

Thence S.  $69^{\circ}01'E$ .

240.97 Intersect line 3-4 Sur. No. 2308 Idaho Lode at a point from which Cor. No. 4 bears N.  $83^{\circ}30'E$ , 38.71 ft. dist.

1500.00 Cor. No. 2

Agrees with a corner of the location.

Set a schist stone, 24x8x6 ins., 12 ins. in the ground, for Cor. No. 2, mkd. X D-2-4176; from which

No local bearing objects or bearing trees available.

Thence S.  $1^{\circ}31'E$ .

324.72 The east end center, agreeing with east end center of the location, being a mound of stone 3 ft. base, 3 ft. high.

649.44 Cor. No. 3

Agrees with a corner of the location.

Set a schist stone, 24x8x6 ins., 12 ins. in the ground, for Cor. No. 3, mkd. X D-3-4176; from which

No local bearing objects or bearing trees available.

Thence N.  $69^{\circ}01'W$ .



MINERAL SURVEY NO. 4176  
Survey No. 4176

Feet

1500.00 Cor. No. 4  
Agrees with a corner of the location.  
On a schist stone in place exposed 3x3x3 ft. above ground, point for Cor. No. 4, mkd: X D-4-4176; from which

No local bearing objects or bearing trees available.  
Thence N. 1° 31' W.

324.72 The west end center, agreeing with the west end center of the location, being a mound of stone 3 ft. base, 3 ft. high.

537.81 Intersect line 3-4 Sur. No. 2308 Idaho Lode at a point from which Cor. No. 4 bears N. 83° 30' E., 262.18 ft. dist.

649.44 Cor. No. 1, and place of beginning.

LODE LINE

The presumed course of the vein of the lode location embraced in this survey, counted from the point of discovery is as follows:

Defiance Lode, N. 69° 01' W., 143 ft.; and, S. 69° 01' E., 1357 ft.

AREA

	Acres
Total area Defiance Lode	20.661
Area in conflict with	
Sur. No. 2308 Idaho Lode	0.285
LOCATION	

This survey is located in the NW 1/4 sec. 20, of T. 12 N., R. 2 E., of the Gila and Salt River Base and Meridian, Arizona, Agua Fria Mining District.

EXPENDITURE OF \$500

I certify that the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors is not less than \$500, and that said improvements consist of:

An interest in a common improvement described as follows:

No. 1 The discovery shaft of the Defiance lode, the center of which being the discovery point is on the center line 143.00 ft, S. 69° 01' E. from the center of line 4-1; 5 ft. x 9.5 ft. x 340 ft. timbered.

Value \$36000; value 1/12 interest \$3000.

This improvement is in course of construction for the development of the Defiance lode of this survey and Barbara, Barbara No. 1, Barbara No. 2, Barbara No. 3, Barbara Apex, Protector No. 1, Protector No. 3, Skookum, King Cole, Queen Elizabeth, Agua Bueno lodes, unsurveyed which are all contiguous lode claims owned in common within the range of benefit of said shaft. This shaft is located so that by drifting and cross cutting from its present depth the entire group will be developed.



## Survey No. 4176

Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this survey, subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one-twelfth interest in its value is hereby credited to each of said lodges and a like interest apportioned to each of the other stated lodges of the common group.

No portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

- No. 2 A tunnel 5x7 ft. in size, the portal of which is on the lode line 312.0 ft. S. 69° 01' E. from the center of line 4-1, and runs S. 77° 38' E., 52.10 ft., thence S. 60° 59' E., 181.28 ft., thence S. 60° 51' E., 144.44 ft., S. 57° 39' E., 59.30 ft., thence S. 27° 09' E., 14.00 ft., thence S. 14° 00' E., 12.50 ft., thence S. 13° 46' W., 13.52 ft., thence S. 35° 09' W., 194.75 ft. to breast.  
Value, \$8,000.

## OTHER IMPROVEMENTS.

None

## OTHER CORNER DESCRIPTIONS

Sur. No. 2308 Idaho lode; Cor. No. 4 is a schist stone firmly set and properly marked; Cor. No. 3 has been destroyed. Line 3-4 is shown as approved.

## Memo:-

The disagreement between this survey and the amended location certificate, relative to the identity of Cor. No. 1 of the Defiance lode of this survey with Cor. No. 2 of Survey No. 2308, Idaho lode, is due to the fact that, at Cor. No. 1, Defiance lode, there is an old piece of 4x4 in. post marked "Idaho", which was erroneously accepted by the locator as the SW corner of Survey No. 2308; which corner is designated, on a district mining claim map, as Cor. No. 2 instead of Cor. No. 4, as approved.



# FINAL OATHS FOR SURVEYS

## LIST OF NAMES

A list of the names of the individuals employed by Richard L. Merritt  
 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 \_\_\_\_\_  
Copper Mountain Apex Mines Ltd.  
 known as the Defiance lode  
 and showing the respective capacities in which they acted.

George Merritt \_\_\_\_\_, Chainman.  
George Burgett \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS

We, George Merritt  
 and George Burgett \_\_\_\_\_, do solemnly swear that we assisted Richard  
L. Merritt \_\_\_\_\_, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Copper Mountain Apex  
Mines Ltd.  
 known as the Defiance 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 instruc-  
 tions furnished by the Office Cadastral Engineer, at Phoenix Arizona

George Merritt \_\_\_\_\_, Chainman.  
George Burgett \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman

Subscribed and sworn to by the above-named persons before me this 4<sup>th</sup>  
 day of October \_\_\_\_\_, 1934.

*My Commission Expires April 27, 1937.*

K. Kistler  
 \_\_\_\_\_  
Notary Public

### FINAL OATH OF U. S. MINERAL SURVEYOR

I, Richard L. Merritt, U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer,  
at Phoenix Arizona, dated July 25 1934,  
I have, in strict conformity to the laws of the United States, the official regulations and instruc-  
tions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly  
executed the survey of the Mining Claim of Copper Mountain Apex  
Mines, Ltd., known as the  
Defiance lode,  
situate in Agua Fria Mining District,  
Yavapai County, Arizona, in Section  
20, Township No. 12 N, Range No. 2 E  
and designated as Survey No. 4176, 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 certifi-  
cate, 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 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.

Richard L. Merritt  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Richard L. Merritt  
U. S. Mineral Surveyor, before me N. MITKEN  
NOTARY PUBLIC this 4th  
day of Oct., 1934

N. Mitken  
Notary Public

*My Commission Expires April 27, 1937.*



OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

October 24, 1934

I, Office Cadastral Engineer Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Copper Mountain Apex Mines Ltd.

known as the DEFIANCE

situate in Agua Fria

Mining District Yavapai County Arizona

in Section 20, Township No. 12 North, Range No. 2 East, and

designated as Survey No. 4176, 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 Copper Mountain Apex Mines, or its grantors, Ltd., a corporation and that said improvements consist of 1 tunnel and an undivided 1/12 interest in a shaft

Value \$11,000.00

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.

Sherman C. Fiske

Acting Office Cadastral Engineer.



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

At Phoenix, Arizona

October 24, 1934

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 Copper Mountain Apex Mines, Ltd.

known as the DEFIANCE lode

situate in Agua Fria mining district,

in Section 20, Township No. 12 North, Range No. 2 East

designated as Survey No. 4176

executed by Richard L. Merritt, U. S. Mineral Surveyor, September 16th to 23d, inc. 1934, under my instructions dated

July 25, 1934, 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.

Signature of Sherman C. Fiske, Acting Office Cadastral Engineer.