

MINERAL SURVEY No. 4183

ARIZONA

*Land District*

# FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

John C. Riggs

KNOWN AS THE

Apache Chief lode

California

*Mining District,*

Cochise

*County,*

Arizona

Section 11 (unsur.), Township 16 South, Range 29 East  
G. & S. R. B. & M.

Surveyed under instructions dated Sept. 14, 1935

By Ralph L. Motz

*U. S. Mineral Surveyor.*

Claim located July 1, 1928

Survey commenced Sept. 23, 1935

Survey completed Sept. 24, 1935

Address of claimant 's attorney, D. L. Cunningham,

Willcox, Arizona.

DATES OF AMENDED LOCATIONS

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## MINERAL SURVEY NO. 4183, ARIZONA.

S 1

Feet

Feet

Mineral Survey No. 4183 was made with a Gurley & Sons Precise Transit, Light Mountain Model, with horizontal limb 6.25 inches in diameter, having two double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a prismatic eye piece with colored glass slide for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order. An a.m. altitude observation of the sun for time and azimuth, and at noon on the meridian for latitude, were made at Cor. No. 1 of the Apache Chief lode, 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, 150 feet in length, graduated to feet, tenths and hundredths for the entire length; a Kueffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths for the entire length; a Lufkin steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Lufkin standard at the time of beginning the survey, and found correct.

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  $12^{\circ} 30' E$ .

APACHE CHIEF

Beginning at Cor. No. 1 of the Apache Chief lode, where I-

Set a porphyry rock 25x10x7 ins., 16 ins. in the ground, for Cor. No. 1; mkd. AC-1-4183; from which

The east 1/4 cor. of Sec. 10, T. 16 S., R. 29 E., G. & S. R. B. & M., bears  $N. 83^{\circ} 35' W.$ , 1691.0 ft. dist.; a granite rock 8x8 ins., 12 ins. above ground, firmly set, chiseled 1/4 on west face, with a monument of rocks 3 ft. in a westerly direction.

thence  $S. 75^{\circ} 45' E$ .

1470.0 Gulch, 5 ft. wide, course southwesterly.

1500.0 Cor. No. 2.

Set a granite rock, 27x10x6 ins., 15 ins. in the ground, for Cor. No. 2, mkd. AC-2-4183; from which

▲ granite rock in place 29x30 ins., 14 ins. above the ground, bears  $N. 14^{\circ} 15' E.$ , 9.8 ft. dist., mkd. BR x AC-2-4183.

▲ mound of stone, 3 ft. base, 3 ft. high, bears southwesterly 5 ft. dist.

thence  $S. 14^{\circ} 15' W$ .

145.0 Gulch, 5 ft. wide, course southerly.

300.0 East end center, being a mound of stone, 3 ft. base, 3 ft. high.

350.0 Gulch, 5 ft. wide, course southwesterly.



MINERAL SURVEY NO. 4183, ARIZONA.

Feet

416.0 West Whitetail Canyon, 15 ft. wide, course westerly.

600.0 Cor. No. 3.

Set a diorite rock, 28x7x6 ins., 16 ins. in the ground for Cor. No. 3, mkd. AC-3-4183; from which

A mound of stone, 3 ft. base, 3 ft. high, bears easterly, 3 ft. dist.

thence N. 75° 45' W.

714.0 West Whitetail Canyon, 15 ft. wide, course south-westerly.

1437.0 West Whitetail Canyon, 20 ft. wide, course north-westerly.

1500.0 Cor. No. 4.

Set a granite rock, 26x10x8 ins., 16 ins. in the ground for Cor. No. 4, mkd. AC-4-4183; from which

A granite rock in place, 25x37 ins., 42 ins. above the ground, bears N. 14° 15' E., 11.1 ft. dist., mkd. BR x AC-4-4183.

A sycamore tree, 15 ins. diameter, 30 ft. high, bears N. 14° 15' E., 53.0 ft. dist., mkd. BT x AC-4-4183.

A mound of stone, 4 ft. base, 5 ft. high, bears southeasterly 5 ft. dist.

thence N. 14° 15' E.

22.0 West Whitetail Canyon, 20 ft. wide, course north-westerly.

300.0 West end-center, being a mound of stone, 3 ft. base, 3 ft. high.

600.0 Cor. No. 1 and place of beginning.

LODE LINE.

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

N. 75° 45' W., 900 ft.; and S. 75° 45' E., 600 ft.

AREA.

acres.

Total area, Apache Chief lode - - - - - 20.661

LOCATION.

This survey is located in the NW. 1/4 of the SE. 1/4 and the NE. 1/4 of the SW. 1/4 of Sec 11, unsurveyed, T. 16 S., R. 29 E., G. & S. R. P. & M., Arizona, in the Coronado National Forest.

The survey of this lode location is identical with the original location as marked on the ground.

## MINERAL SURVEY NO. 4185, ARIZONA.

EXPENDITURE OF \$500.

I certify that the value of the labor and improvements made upon this lode location by the claimant or his grantors is not less than \$500, and that said improvements consist of:-

- No. 1 The discovery cut and tunnel, a point in which is the discovery point, said point being on the lode line and center line 600 ft. dist. from the east end center; From discovery point, tunnel 4x6ft. runs S. 8° 20' E., 133.0 ft. to portal and bifacet of open cut; open cut 10 feet wide, 10 feet high, runs S. 8° 20' E., 14 ft. to mouth. From discovery point a drift 4x6 ft. runs N. 75° 45' W., 11.0 ft. to breast. From discovery point another drift runs S. 75° 45' E., 18.0 ft. to breast. From discovery point, crosscut 4x6 ft. runs N. 25° W., 25.0 ft. to breast. From discovery point another crosscut runs N. 32° E., 42.5 ft. to breast.

Total Value of this improvement is \$ 2445.00.

OTHER IMPROVEMENTS.

An open cut, the mouth of which bears N. 40° W., 20.0 ft. from the discovery point; 4 ft. wide, 10 ft. face, runs N. 14° E., 12 ft. to face.

An open cut, the mouth of which bears from the discovery point N. 20° E., 32.0 ft., 9 ft. wide, 12 ft. face, runs N. 14° E., 12 ft. to face. In bottom of open cut is a shaft 5x6 ft., 20 ft. deep.



# FINAL OATHS FOR SURVEYS

## LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

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 \_\_\_\_\_

John C. Riggs

known as the Apache Chief lode

and showing the respective capacities in which they acted.

Stark Riggs \_\_\_\_\_, *Chainman.*

Ellerbe Riggs \_\_\_\_\_, *Chainman.*

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

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

## FINAL OATHS OF ASSISTANTS

We, Stark Riggs

and Ellerbe Riggs, do solemnly swear that we assisted Ralph L. Motz

\_\_\_\_\_, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of John C. Riggs

known as the Apache Chief 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, Arizona,

Stark Riggs \_\_\_\_\_, *Chainman.*

Ellerbe Riggs \_\_\_\_\_, *Chainman.*

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

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

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

day of September, 1935

J M Simpson

Notary Public, in and for the County \_\_\_\_\_

of Cochise, State of Arizona.

My commission expires  
August 9th 1937

FINAL OATH OF U. S. MINERAL SURVEYOR

I, Ralph L. Motz, U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral  
Engineer, at Phoenix, Arizona, dated September 14, 1935,  
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 John C. Riggs  
Apache Chief lode, known as the  
situate in California Mining District,  
Cochise County, Arizona, in Section  
11, Township No. 16 S., Range No. 29 E., G. & SR&M  
and designated as Survey No. 4183, 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 im-  
provements 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 in-  
cluded in the estimate of expenditures upon any other claim.

*Ralph L. Motz*  
U. S. Mineral Surveyor)

Subscribed and sworn to by the said Ralph L. Motz  
U. S. Mineral Surveyor, before me D. M. Simpson, Notary Public  
this 8th  
day of October, 1935.

*D. M. Simpson*  
Notary Public, in and for the  
County of Cochise, State of  
Arizona.

My commission expires August 9, 1937.



OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

October 29, 1935

Acting 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 John C. Riggs

of Dos Cabezos, Arizona

known as the APACHE CHIEF lode

situate in California

Mining District Cochise County Arizona

in Section 11, Township No. 16 South, Range No. 29 East, and

designated as Survey No. 4183, 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 John C. Riggs or his grantors,

and that said improvements consist of ONE Cut, ONE Tunnel, TWO Drifts, and TWO Crosscuts

Total value \$2445.00

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 29, 1935.

*Acting*  
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 John C. Riggs

of Dos Cabezos, Arizona

, known as the

APACHE CHIEF lode

situate in California mining district,

Cochise County, Arizona

in Section 11, Township No. 16 South, Range No. 29 East

, designated as Survey No. 4183 Arizona

executed by Ralph L. Motz, U. S. Mineral

Surveyor, September 23-24, 1935, under my instructions dated

September 14, 1935, 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.

*Sherman C. Fiske*  
\_\_\_\_\_  
*Acting Office Cadastral Engineer.*