

MINERAL SURVEY No. 4156

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

M.T. Milton

KNOWN AS THE

SILVER WOLF lode

West Huachuca Mining District,

Cochise County, Arizona

Section s 3 and 10, Township T.23S., R., Range 19 E.

Surveyed under instructions dated April 25, 1932

By

*A. P. Burns*

U. S. Mineral Surveyor.

Claim located See location notice, 19

Survey commenced May 5, 1932, 19

Survey completed May 8, 1932, 19

Address of claimant M.T. Milton, Box 492, Tombstone, Arizona.

DATES OF AMENDED LOCATIONS

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MINERAL SURVEY NO. 4156.

feet.

Mineral survey No. 4156 was made with a Gurley mountain transit with horizontal limb 6.5' ins. diam., having two opposite verniers and full vertical circle, 5 ins. diam. having one double vernier, the verniers read to one minute of arc.

The instrument was in good condition at the time of the survey and all adjustments were in good order. An AM altitude observation for azimuth and at noon on the meridian for latitude and time were made at a corner of the survey, 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, by the method of deflection angles, and calculated courses.

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

The tape was correct at the time of the survey. All lines and connections of this survey were run directly upon the ground.

The magnetic variation observed at each corner gave a uniform value of 13°30' E.,

SILVER WOLF Lode.

Beginning at Cor. No. 1 of the Silver Wolf lode, where I set an iron pipe 2 ins. diam. with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 1, S W - 4156; from which

The 1/4 Cor. Bet. Secs. 3 and 10, T.23 S., R.19 E. brs. N.40°56'W., 369.44 ft. dist; ans iron post with brass cap on top, about 24 ins. above ground, set in md. of stone, Stamped 1/4 S. 3, S 10. with bearing trees.

Loc. Mon. brs. S. 23°37'E., 24.0 ft.

A juniper tree 8 ins. diam. brs. N. 44°W., 18.5 ft. blazed and scribed S W. 1- 4156 B.T.

No other bearings are available.

MINERAL SURVEY NO. 4156.

Silver Wolf Lode, Cont'd.

Intersect line 2-3, HES-300, Gustav J. Peterson claimant, at a point from which Cor. No. 3 brs. N. 31° 23' 40" E., 1411.82 ft. dist.

361.80 To S. end center, identical with Loc. Mon.  
A juniper post 3 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 S. Cr. S.W.

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

Set an iron pipe 2 ins. diam. with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 2 S.W. - 4156 from which;

An oak tree 8 ins. diam. brs. N. 85° E., 13.0 ft. dist.

No other bearings are available.

Thence N. 31° 12' 40" E.

1415.00 To Cor. No. 3, identical with Loc. Mon.  
On line 3-4 HES-300 at a point from which Cor. No. 4 brs. N. 23° 37' W., 415.2 ft. dist.

Set an iron pipe 2 ins. diam. with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 3 S.W. - 4156 from which U.S.L.M. No. 4027 brs. N. 28° 9' 30" W., 2607.0 ft. dist.

A juniper tree 5 ins. diam. brs. N. 33° W., 23.6 ft. dist.

No other bearings are available.

Thence S. 23° 37' E.

190.0 Road brs. southerly.

361.80 To N. end center, identical with Loc. Mon.

A pine post 3 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 N. Cr. S.W.

~~MINERAL SURVEY NO. 4156~~

Feet.

~~SILVER WOLF Lode, Cont'd.~~

723.6 To Cor. No.4, identical with Cor. No.3 H E S -300

And agrees with a corner of the location.

in place

A conglomerate rock 6 x 14 ins. showing 12 ins. above ground, chiseled with cross (X) 4 S W - 4156, 3 H E S - 300 with md. of stone alongside.

An oak tree 8 ins. diam. brs. N. 3°8'E., 23.8 ft. dist.

An oak tree 12 ins. diam. brs. N. 56°47'W., 10.8 ft. dist. (Another oak 14 ins. diam. a little to the left of this one and about 50 ft. dist. with scribbles grown over.) Both blazed and scribed 3 H E S -300, 4 S W - 4156 B T.

No other bearings are available.

Thence S.31°12'40" W.

450.00 Road brs. S.31°13'W.

670.00 Leaves road, brs. southwesterly.

1130.00 Road brs. southeasterly.

1415.00 To Cor. No.1, the place of beginning.

LODE LINE.

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

Silver Wolf lode, N.31°12'40"E., 300 ft. and S.31°12'40"W., 1115 ft.

AREA.

Total area, Silver Wolf lode ----- Acres. 19.214

Area in conflict with-  
H E S- 300----- 0.073

LOCATION.

This survey is located in the S. 1/2 Sec. 3 and the N.E. 1/4 Sec. 10, T23 S. R. 19 E. G. & S. R. M., within the Coronado National Forest.

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~~SILVER WOLF LODE-Cont'd.~~

EXPENDITURE OF FIVE HUNDRED DOLLARS.

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

No.1 The discovery point of the Silver Wolf lode is on the center line 300 ft. from the center of line 3-4. A md of stone on cropping.

No value.

No.2 A Cut, the mouth of which brs. from Cor. No.4 S.87°45'W.,370.0 ft. 4 1/2 ft. wide 8 ft. face running S. 37° W. 16 ft. to face. From face is a tunnel 4 x 6 ft. running S. 37° W., 16.5 ft. to face.

Value Cut and tunnel \$265.00

No.3 A cut, the mouth of which brs. from Cor. No.4 N.89°W., 380 ft. 4 1/2 ft. wide 6 ft. face running West 15 ft. to face.

Value \$60.00

No.4 A cut, the mouth of which brs. from Cor. No.4 N.81° W., 370 ft. 4 1/2 ft. wide 10 ft. face running N.17°36'W. 24 ft. to face.

From face is a tunnel 4 x 6 ft. running N.17°36'W.,28.5 ft. to a point, thence N.53°06'W.,50 ft. to winze 4 x 6 ft. 15 ft. deep.

From winze the tunnel continues N.53°06'W.,26 ft. to face.

Total value Cut, Tunnel and Winze \$1295.00

No.5 A Cut, the mouth of which brs. from Cor. No.4, N.71°15'W., 410 ft 4 1/2 ft. wide 10 ft. face running N.45°W. 43 ft. to face. From face is a tunnel 4 x 6 ft. running N.45°W.,15 ft. to face.

Total value Cut and tunnel \$350.00

Other Corner Descriptions.

Cors. Nos 2 and 4 H E S 300 are granite stones firmly set and properly marked.

Line 2-3 was found to be N.31°23'40"W.,2237.2 ft. instead of N.31°29'E.,2237.2 ft. Line 3-4 was found to be 1138.8 ft. instead of 1135.86 ft.

~~MINERAL SURVEY NO. 4156~~

~~SILVER WOLF Lode.~~

~~OTHER CORNER DESCRIPTIONS -- Cont'd.~~

U.S. L.M. No.4027 consists of a pine post 10 ft. high, surrounded with md of stone 6 ft. base by 4 ft. high, scribed U.S.L.M. No.4027 W.H.M.D.

ADJOINING CLAIMS.

On the North and East by Forest Homestead Entry No.300 Gustav J. Peterson, Claimant.

OATH OF ASSISTANT.

There being no Notary Public available within long distance I proceeded to administer the necessary oath.

Meridian Observations. for time and and Latitude.

Thursday May 5, 1932 in Approx Lat 31°27'30" and Lon 110°24' I make a meridian observation of the sun for time and latitude.

*do not include in copy of notes*

Setting:		90°00'00"
$\phi$	$\neq$ (-) ----	31°27'30"
$\delta$	$=$ (+) ----	16°21'38"
$\nu$	$=$	74°54'08"
	-----eeo0ooo-----	

Position of Telescope; Position of sun; Watch time ; Observed Ver. Ang	
Direct : $\phi$ : 11h 59m : 74°36'30"	
Reversed : $\psi$ : 12h 01m : 75°12'30"	
Mean : : 12h00m : 74°54'30" ✓	
Refraction : : - 16" ✓	
Parallax : : + 2" ✓	

h -----	74°54' 16" ✓
$\delta = 16°21'38"$ ; $90° + \delta =$	106°21'38"
$\phi = 90° + \delta - h =$	31°27'22"
-----o0o-----	

Watch time of apparent noon -----	12h 00 00
Apparent noon -----	12h 00 00
Equation of time -----	3'23.45" ✓
Local mean time of apparent noon ---	11h 56'36" ✓
Watch fast of local mean time -----	3m24" ✓

MINERAL SURVEY NO. 4156

SOLAR OBSERVATION FOR AZIMUTH.

Taken Sunday May 8 th at 9 A M Solar time, Sun bisected.

Lat 31°27'22" Lon. 110°24' Difference in time 4 h 22m

$$\text{App't Dec'l} = 17^\circ 6' 27.7''$$

$$+ 2' 57.3''$$

$$17^\circ 9' 25''$$

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

90° - 17° 9' 25" - 72° 50' 35" = P

L = 51°27'22"      h = 48°03'08" = App't h = 48°04'

P = 72°50'35"      Refrac 52"      6" Parallax

2) 152°21'05"      48°03'08"

S = 76°10'32"

S-L = 44°43'10"      9.8473480

S-h = 28°07'24"      9.6733629

0.0690296

0.1749292

2) 19.7646497

9.8823248 = 49°41'54"      49°42'

99°23'58" azimuth of sun.      99°24'

123° 01' = Ang to left from sun.

99°24'

N 23° 37' W = Bearing of line

Set up at Cor. No.3 Silver Wolf lode, B.S to Cor. No.4

Observed ver. Ang	Position of telescope	Position of sun	Watch time
74°21'30"	Direct	U	1:11:30
74°21'30"	Reversed	U	1:11:30
74°21'30"	Direct	U	1:11:30
74°21'30"	Reversed	U	1:11:30
74°21'30"	Direct	U	1:11:30
74°21'30"	Reversed	U	1:11:30

74°21'30"

74°21'30"

108°21'30" = 90° - 0 = 0

31°27'22"

Watch time of apparent noon --- 1:11:30

Apparent noon --- 1:11:30

Equation of time --- 3:11:30

Local mean time of apparent noon --- 1:11:30

Watch time of local mean time --- 1:11:30

# 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 \_\_\_\_\_

M.T. Milton

known as the SILVER WOLF lode

and showing the respective capacities in which they acted.

Carl T. Joerger, Chainman.

Chainman.

Aceman.

Flagman.

## FINAL OATHS OF ASSISTANTS

We, I, Carl T. Joerger

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 M.T. Milton

known as the Silver Wolf 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 <sup>my</sup> 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, Ariz.

Carl T. Joerger Chainman.

Chainman.

Aceman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 9th

day of May, 1932

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

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 Office Cadastral Engineer, at Phoenix, Arizona, dated April 25, 1932, 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 M.T. Milton, known as the SILVER WOLF lode, situate in West Huachuca Mining District, Cochise County, Arizona, in Section 3 and 10, Township No. 23 S., Range No. 19 E., G. & S. R. M., and designated as Survey No. 4156, 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 improvements made upon said mining claim by claimant or her 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.

[Signature of T.N. Stevens]
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T.N. Stevens
U. S. Mineral Surveyor, before me Tom K. Richey, Notary Public,
at Tucson, Pima County, Arizona, this 21st
day of May, 1932.

[Signature of Tom K. Richey]
Notary Public

My Commission Expires
January 30, 1934.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

June 4, 1932

I, 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

M. T. Milton

known as the SILVER WOLF lode

situate in West Huachuca

Mining District Cochise County Arizona

in Section 3 & 10, Township No. 23 S., Range No. 19 E., and

designated as Survey No. 4156, 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 or her grantors,

and that said improvements consist of 4 cuts, 3 tunnels and 1 winze, total value \$1970.

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.

John D. Adams

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

June 4, 1932

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

M. T. Milton

, known as the

SILVER WOLF lode

situate in West Huachuca mining district,

Cochise County, Arizona

in Section s 3 and 10, Township No. 23 S., Range No. 19 E.

, designated as Survey No. 4156

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

Surveyor, May 5 - 8, 19 32 under my instructions dated

April 25, 19 32, 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.

John Adams Office Cadastral Engineer.