

MINERAL SURVEY No. 4190 A.

Arizona Land District

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Ben S. Wilson

KNOWN AS THE

Tungsten No.1 and Tungsten No.2 lodes

Tip Top Mining District,

Yavapai County, Arizona

Section s 21 - 28, Township 8 N., Range 1 E.

Surveyed under instructions dated December 3, 19 1936

By *H. H. Stevens*  
U. S. Mineral Surveyor.

Claim located April 27, 1928

Survey commenced December 28, 19 36

Survey completed January 3, 1937, 19   

Address of claimant Ben S. Wilson

P.O. Box 1830, Tucson, Arizona.

#### DATES OF AMENDED LOCATIONS

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Feet.

## MINERAL SURVEY NO. 4190 A

Mineral survey No. 4190 A was made with a Curley 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, all adjustments were in good order. An A.M. altitude observation of the Sun for azimuth and at noon on the meridian for latitude and time were made on a line 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 feet 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  $14^{\circ}45'E$ .

## TUNGSTEN NO.1 lode.

Beginning at Cor. No.1 of the Tungsten No.1 lode, where I - set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 1 T No.1 - 4190 A from which the Cor. to Secs. 21, 22, 27, & 28 T. 8 N., R. 1 E. brs. S.  $13^{\circ}37'E$ ., 370.0 ft. dist., consisting of a 2in. steel post with brass cap, stamped T. 8N., R. 1 E., S. 21, S. 22 S. 27, S. 28, and set firmly in the ground.

Loc. Mon. brs. N.  $85^{\circ}37'E$ ., 67.1 ft.

No other bearings are available.

Thence N.  $14^{\circ}23'W$ .,

300.00

To E. end center, identical with Loc. Mon. Where I -

set a mesquite post 4 ins. diam. by 4 ft. high, firmly in the ground and surrounded with md of stone, scribed E. Cr. T No.1

355.0

Gulch brs. westerly.

390.0

Gulch brs. westerly.

600.00

To Cor. No.2, identical with Loc. Mon. where I -

set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 2 T No.1 - 4190 A.

No bearings are available.

Feet.

MINERAL SURVEY NO. 4190 A.  
TUNGSTEN No.1 Lode - Cont'd.

Thence S. 74°33'10"W.

400.0

Gulch brs. northwesterly.

1200.0

Gulch brs. southwesterly.

1500.3

To Cor. No.3, identical with Loc. Mon. and Cor. No.4, Tungsten No.2 lode of this Sur, where I-

Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone,

stamped 3-T No.1, 4-T No.2 - 4190 A.

No bearings are available.

Thence S. 14°23'E.

122.15

Gulch brs. southeasterly.

272.15

To W. end center, identical with Loc. Mon. and E. end center Tungsten No.2 lode of this Survey, where I-

Set an ironwood post 4 ins. diam. by 4 ft. high, firmly in the ground and surrounded with md of stone, scribed W. Cr. T. No.1, E Cr. T. No.2

477.15

Gulch brs. southwesterly.

572.15

To Cor. No.4, identical with Loc. Mon. and Cor. No.3, Tungsten No.2 lode of this Survey, where I-

Set a steel post 2 ins. diam. with lead cap on top, 24 ins above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 4-T No.1, 3-T, No.2 - 4190 A.

No bearings are available.

Thence N. 75°37'E.

1500.00

To Cor. No.1 and place of beginning.

## TUNGSTEN No.2 Lode.

Beginning at Cor. No.1 of the Tungsten No.2 lode where I- set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone stamped 1-T No.2 - 4190 A. from which the 1/4 Cor. bet. Secs.

21-28, T.8 N. R. 1 E. brs. N. 72°15'30" E., 389.3 ft. dist., consisting of a steel post 1/2 in. diam. with brass cap on top, stamped 1/4 S. 21, S. 28, showing 18 ins. above ground in md. of stone.

No other-bearings are available.

Feet.

MINERAL SURVEY NO. 4190 A.  
Tungsten No.2 Lode - Cont'

Thence S. 14°25'E.,

300.0 To W. end center, identical with Loc. Mon. where I -

Set a mesquite post 4 ins. diam. by 4 ft. high, firmly in the ground and surrounded with md of stone, scribed W. Cr. T. No. 2 .

600.0 To Cor. No.2, identical with Loc. Mon. where I -

Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground, and surrounded with md of stone, stamped 2, T. No.2 - 4190 A.

No bearings are available.

Thence N. 62° 45' E.

1400.0 Gulch brs. southwesterly.

1500.00 To Cor. No.3, identical with Loc. Mon. and Cor. No.4, Tungsten No.1 lode of this Sur., heretofore described.

Thence N.14°23'W.

95.0 Gulch brs. southwesterly.

300.0 To E. end center, identical with Loc. Mon. and W. end center Tungsten No.1 lode of this Sur., heretofore described.

450.0 Gulch brs. southeasterly.

572.15 To Cor. No.4, identical with Loc. Mon. and Cor. No.3, Tungsten No.1 lode of this Sur., heretofore described.

Thence S. 63°47'W.,

1493. 8 To Cor. No.1 and place of beginning:

LODE LINES

The presumed course of the veins of each of the locations embraced in this survey, counted from their discovery points is as follows;

Tungsten No.1 lode, S.75°37'W., 63.0 ft. and N.75°37'E., 1437.0 ft.

Tungsten No.2 lode, N. 62°45'E., 5.0 ft.,and S. 62°45'W.,1495.0 ft.

AREA

Acres.

Total area, Tungsten No.1 lode ----- 20.182

Total area, Tungsten No.2 lode ----- 19.673

## MINERAL SURVEY NO. 4190 A.

## LOCATION.

This survey is located in the N. 1/2 Sec. 28, and the S. 1/2 | 2/4  
Sec. 21, T. 8 N., R., 1. 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 each of the locations embraced in said mining c  
claim by the claimant or his grantors is less than \$500.0 and that said  
improvements consist of; as follows;

## TUNGSTEN NO. 1

- No.1 The discovery cut of the Tungsten No.1 lode, the mouth of  
which being the discovery point is on the lode line, 63 ft. from a  
point on line 3-4, 272.15 ft. from Cor. No.3, 5 ft. wide, 10 ft.  
face, running N. 75°30'E. 30 ft. to face. At face is a tunnel 4 x 6 ft.  
running N. 75°30'E., 70 ft. to a winze 4 x 6 ft. 10 ft. deep, from  
collar of winze the tunnel continues N. 75°30'E., 15 ft. to face.  
Value of cut, tunnel and winze \$1100.0
- No.2 A cut, the mouth of which is on the lode line, 112.0 ft. from a point  
on line 3-4, 272.15 ft. from Cor. No.3, 5 ft. wide, 10 ft. face,  
running N. 75°30'E., 25 ft. to face and portal of tunnel, 4 x 6 ft.  
in size, running N. 75°30'E., 15 ft. to breast.  
Value of cut and tunnel \$250.0
- No.3 A cut, the mouth of which is on the lode line, 272.5/ft from a point  
on line 3-4, 272.15 ft. from Cor. No.3, 5 ft. wide, 15 ft. face,  
running N. 75° 37'E., 24 ft. to face and portal of tunnel, 4 1/2 x 6 ft  
in size, running N. 75°37'E., 26 ft. to breast.  
Value of cut and tunnel \$410.0
- No.4 A cut, the mouth of which brs. from Cor. No.3, S. 73°30'E., 540 ft.,  
5 ft. wide, 15 ft. face, running N. 89° E., 30.0 ft. to face and  
portal of tunnel, 4 1/2 x 6 ft. running N. 89° E., 40 ft. to breast.  
Value of cut and tunnel \$550.0

## TUNGSTEN NO. 2

- No.1 The discovery cut of the Tungsten No.2 lode, the mouth of which  
being the discovery point, is on the lode line, 5 ft. from a point  
on line 3-4, 272.15 ft. from Cor. No.4, 5 ft. wide, 12 ft. face,  
running S. 62°45'W., 21 ft. to face.  
Value \$150.0

## OTHER IMPROVEMENTS.

A cut, the mouth of which brs. from Cor. No.4, Tungsten No.2 lode  
S. 3°15' W., 310 ft. 5 ft. wide, 10 ft. face running S. 63° W.,  
20 ft. to face.

A cut the mouth of which brs. from Cor. No.3, Tungsten No.1 lode  
S. 47°15' E., 315 ft., 4 1/2 ft. wide, 8 ft face, running N. 60° E.,  
20 ft. to face.

claimant of each unknown.

## ADJOINING CLAIMS.

On the North by Tungsten No.1 lode, Emery E. Oldaker and  
L.M. Lancaster, Claimants.

# 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

Ben S. Wilson

known as the Tungsten No.1 and Tungsten No.2 lodes

and showing the respective capacities in which they acted.

Roy S. Ward, Chainman.

Chainman.

Aceman.

Flagman.

## FINAL OATHS OF ASSISTANTS

~~We~~ I Roy S. Ward

~~and~~ do solemnly swear that <sup>I</sup> ~~we~~ assisted

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

the boundaries of the mining claim of Ben S. Wilson

known as the Tungsten No.1 and Tungsten No.2 lodes

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 instruc-

tions furnished by the <sup>Acting</sup> Office Cadastral Engineer, at Phoenix, Ariz

Roy S. Ward, Chainman.

Chainman.

Aceman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 20

day of March, 1937

Notary Public

*Con Exp 11/29/39*

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 ~~acting~~  
~~Office Cadastral Engineer~~ Phoenix, Ariz., dated December 3, 1936,  
I have, in strict conformity to the laws of the United States, the official regulations  
and instructions thereunder, and the instructions of said ~~acting Office Cadastral~~ Engineer  
faithfully and correctly executed the survey of the mining claim of Ben S. Wilson  
....., known as the  
Tungsten No.1 and Tungsten No.2 lodes,  
situate in Tip Top Mining District,  
Yavapai County, Arizona, in Section  
21 - 28, Township No. 8 N., Range No. 1 E.  
and designated as Survey No. 4190 A., 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.

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

Subscribed and sworn to by the said T.N. Stevens  
U. S. Mineral Surveyor, before me J. Richy at  
Tucson Arizona this 26  
day of March, 1937

J. Richy  
Notary Public

Com Exp 11/29/39

## OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

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## Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

April 1, 1937

Acting

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

Ben S. Wilson

known as the TUNGSTEN NO.1 and TUNGSTEN NO.2

situate in Tip Top

Mining District Yavapai County Arizona

in Section 21&amp;28, Township No. 8 N, Range No. 1 E, and

designated as Survey No. 4190 A, 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 grantors,

~~and that said improvements consist of~~

the Tungsten No. 1 lode, and that less than Five Hundred Dollars worth of labor has been expended or improvements made upon or for the benefit of the Tungsten No. 2 lode, by claimant or his grantors, at the time of survey, and that said improvements consist of 5 cuts, 4 tunnels and 1 winze, total value \$2460.

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

April 1, 1937

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

Ben S. Wilson

, known as the

TUNGSTEN NO.1 and TUNGSTEN NO.2 lodes

situate in Tip Top mining district,

Yavapai County, Arizona,

in Sections 21 & 28, Township No. 8 N., Range No. 1 E.

, designated as Survey No. 4190 A.

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

Surveyor, December 28, 1936 - January 3, 1937, under my instructions dated

December 3, 1936, 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.