

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4570

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

EMANUEL B. WILLIS

Known As The

TRAILS END MINE LODE

Goldfield Mining District,

Maricopa County, Arizona

Section 3 & 34, Township 1 & 2 N., Range 7 E., G. & S. B. B. & M.

Surveyed under order dated May 8, 1961  
Aug. 8, 1961 Amd., 19

by Harvey W. Smith  
Mineral Surveyor.

Claim located Jan. 22, 19 51

Survey commenced June 27, 19 61

Survey completed Aug. 10, 19 61

Address of claimant Rt. 2, Box 2476  
Mesa, Arizona

DATES OF AMENDED LOCATIONS

July 13, 1961

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NATIONAL SYSTEM OF PUBLIC LANDS

LAND OFFICE

PERMIT APPLICATION

TO THE NATIONAL SYSTEM OF PUBLIC LANDS

FOR A PERMIT TO

CONDUCT

WORK

ON

LANDS OWNED BY THE UNITED STATES

IN THE COUNTY OF \_\_\_\_\_

- 1. Name of Applicant
- 2. Name of Project
- 3. Location of Project
- 4. Purpose of Project

APPROVED BY

## SURVEY NO. 4570

1

Chains  
Feet

This survey was made with a K. & E. transit, No. 51591, with horizontal limb 5.5 ins. diam., having two double opposite verniers and full vertical circle 4.5 ins. diam., having one double vernier, the verniers read to one minute of arc; the instrument is equipped with a colored eye-shade to be attached for making direct observations on the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of horizontal-angles-right referred to the meridian established by direct observation on the sun. At 08:04 A. M. on June 27, 1961 at cor. No. 1 of the Trails End Mine lode, latitude  $33^{\circ}27'51''$  North, longitude  $111^{\circ}37'54''$  West, turning from a reference pt. about 300 ft. southwest clockwise to the sun in an east direction.

True bearing of reference pt.  
S.  $7^{\circ}23'$  W.

The lines were measured with a Lufkin steel tape, 300 ft. in length graduated every ft. for 299 ft. and the remaining foot graduated to tenths and hundredths. The tape was compared to a standard at the beginning of the survey and found to be correct. All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of  $14^{\circ}15'$  East.

## SURVEY NO. 4570

## TRAILS END MINE LODE

At cor. No. 1 of the Trails End Mine Lode.

Set a galvanized iron post,  $3/4$  in. diam., 24 ins. long, in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4570 TEM 1 X; from which

The cor. of secs. 33, 34, 3 & 4, Ts. 1 & 2 N., R.7E., G.&S.R.B.&M., bears N.  $4^{\circ}47'20''$  W., 552.65 ft. dist.; an iron post, firmly set, marked and witnessed as described in the official record.

A mound of stones constructed adjacent to the iron post.

Thence N.  $7^{\circ}23'$  E.

472.0 Dirt road bears N.  $80^{\circ}$  W. and S.  $80^{\circ}$  E.  
632.0 Dirt road bears N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.  
720.0 Dirt road bears N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W.  
1430.0 Dirt road bears N.  $25^{\circ}$  E. and S.  $25^{\circ}$  W.  
1500.0 Cor. No. 2

Set a galvanized iron post,  $3/4$  in. diam., 24 ins. long, in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly

8 3

Feet	fastened within the iron post, mkd. MS 4570 TEM 2X; from which A mound of stones constructed adjacent to the iron post. Thence S. 82°37'E.
12.50	Dirt road bears N. 30°E. and S. 25°W.
126.50	Dirt road bears N. 25°E. and S. 12°W.
300.0	Lode line; discovery pt. bears S. 7°23'W., 440 ft. dist.
588.0	Point for witness cor. No. 3 Set a galvanized iron post, 3/4 in. diam., 24 ins. long, in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4570 TEM 3 W C X; from which A mound of stones constructed adjacent to the iron post.
600.0	Cor. No. 3 This pt. falls at the west edge of an improved dirt road bearing N. 16°E. and S. 16°W., and would be a hazard to traffic therefore no permanent monument established here. Thence S. 7° 23' W.
192.0	Improved dirt road bears N. 16° E. and S. 16° W.
1500.0	Cor. No. 4 This pt. falls at the edge of a local drainage. A monument here would soon be obliterated. Thence N. 82°37'W.
43.33	Point for witness Cor. No. 4 Set a galvanized iron post, 3/4 in. diam., 24 ins. long, in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4570 TEM 4 W C X; from which A mound of stones constructed adjacent to the iron post.
104.33	Improved dirt road bears N. 8°E. and S. 9°W.
300.0	Lode line; discovery pt. bears N. 7°23'E., 1060 ft. dist.
600.0	Cor. No. 1 and the place of beginning.

AREAS

Total area Trails End Mine 20.661 Acres

## SURVEY NO. 4570

Chains

## LOCATION

This survey is located in the SW $\frac{1}{4}$  Sec. 34 and NW $\frac{1}{4}$  Sec. 3, Ts. 1 & 2 N., R.7E., G.&S.R.B.&M.

The survey of the Trails End Mine lode is identical with its location or amended location as marked on the ground.

## EXPENDITURES

The improvements and 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 his grantors are as follows;

- No. 1 The discovery pt. of the Trails End Mine lode is on the lode line 440 ft. from a pt. on line 2-3, 300.0 ft. from cor. No. 2.  
Value, None
- No. 2 An open cut and pit, the SW edge of the pit bears N. 19 $^{\circ}$  E., 980 ft. dist from cor. No. 1 of the Trails End Mine lode; the cut is 50 ft. in diam. with a leg 10 ft. wide on the NE edge bearing N. 70 $^{\circ}$  E., 50 ft.; average depth 1 $\frac{1}{2}$  ft. At the NW cor. of the leg is a right-angle pit, 11x17 ft., 7 ft. wide. The south leg is 7 ft. deep and the west leg averages 3 $\frac{1}{2}$  ft. deep.  
Value, \$300.
- No. 3 A cut, the SE cor. of which bears N. 18 $^{\circ}$ 30' E., 1230 ft. dist from cor. No. 1 of the Trails End Mine lode; 11 ft. wide, 3 ft. average depth and running N. 60 $^{\circ}$  E., 40 ft.  
Value, \$125.
- No. 4 An open cut, the SE cor. of which bears N. 19 $^{\circ}$ 30' E., 1338 ft. dist. from cor. No. 1 of the Trails End Mine lode; 38 ft. wide, 2 $\frac{1}{2}$  ft. average depth and running N. 35 $^{\circ}$  E., 65 ft.  
Value, \$440.
- No. 5 An open cut, the SW cor. of which bears N. 7 $^{\circ}$ 30' E., 1340 ft. from cor. No. 1 of the Trails End Mine lode; 7 ft. wide, 1 ft. average depth and running N. 7 $^{\circ}$  E., 20 ft.  
Value, \$25.

## OTHER IMPROVEMENTS

NONE

OTHER CORNER DESCRIPTIONS  
AND SUPPLEMENTAL DATA

NONE

## FIELD ASSISTANTS

Name  
Bill Donahue

Capacity  
Chainman-Axeman

PROPERTY NO. #100

Chains

Chain

LOCATION

This survey is located in the ...

The survey of the ...

DESCRIPTION

The improvements and the value of the ...

No. 1 The ...

No. 2 An open ...

No. 3 A ...

No. 4 An open ...

No. 5 An open ...

OTHER IMPROVEMENTS

HOUSING

OTHER ...

HOUSING

FIELD ASSISTANTS

Washington-...

...

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5

CERTIFICATE OF SURVEYOR

Aug. 19, 1961

I, Harvey W. Smith,  
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_  
Cadastral Engineer, at Phoenix, Arizona  
May 8, 1961  
 dated Aug. 8, 1961, I have faithfully and correctly executed the survey of  
 the mining claim of Emanuel B. Willis,  
 known as the Trails End Mine Lode  
(Lode, placer, or mill site)  
 situate in Goldfield Mining District, Secs. 3 & 34  
 T. 1 & 2 N., R. 7 E., G. & S. R. B. & Meridian, Arizona, and  
(State)  
 designated as Survey No. 4570, which is represented in the foregoing field notes as having been  
 executed by me and under my direction, and that said survey has been made in strict conformity with said order,  
 the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner  
 described in the foregoing field notes, and I do further certify that the labor expended and improvements made  
 upon or for the benefit of the lode location(s) embraced in the said mining claim by  
(Lode or placer)  
 claimant(s) or his grantors are fully stated in my report therein, and that the character,  
 extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no  
 portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate  
 of expenditures upon any other claim.

Scottsdale, Arizona  
(Place)

Harvey W. Smith  
(Mineral Surveyor)  
 Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office  
(Office)  
Phoenix, Arizona October 13, 1961  
(Place) (Date)

The foregoing field notes of mineral survey No. 4570, in  
Sections 3 & 34, T. 1 & 2 N., R. 7 E., G. & S. R. Meridian,  
Arizona, executed by Harvey W. Smith, Mineral Surveyor,  
(State) May 8, 1961  
 under order dated August 8, 1961 Amd., having been critically examined and the necessary  
 corrections made prior to their certification by the surveyor, the field notes and the survey therein described  
 are hereby approved.

Raymond C. Cleghorn  
 Raymond C. Cleghorn  
 Acting State Director  
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. \_\_\_\_\_  
 is a true copy of the original field notes.

\_\_\_\_\_  
 \_\_\_\_\_  
(Title)

CERTIFICATE OF SURVEYOR

I have been duly sworn, and certify that in pursuance of an order received from the

I have faithfully and correctly executed the survey of

the following claim of \_\_\_\_\_

known as \_\_\_\_\_

located in \_\_\_\_\_

which is represented in the foregoing field notes as having been

executed by me and under my direction and control and in full compliance with and

in accordance with the instructions of the Surveyor of the United States and in the specific manner

described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the \_\_\_\_\_

described in the foregoing field notes and that the character

of the same is such that the same should be included in the certificate

of the Surveyor of the United States and that the same

are hereby approved.

CERTIFICATE OF APPROVAL

Survey of \_\_\_\_\_

The foregoing field notes of mineral survey No. \_\_\_\_\_

located in \_\_\_\_\_

made by \_\_\_\_\_

having been critically examined and the necessary

corrections made prior to its publication by the Surveyor of the United States and the survey therein described

is hereby approved.

CERTIFICATE OF TRANSMIT

I hereby certify that the foregoing copy of field notes of the above described mineral survey No. \_\_\_\_\_

is a true copy of the original field notes.





# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
State Office  
3022 Federal Building  
Phoenix, Arizona 85025

RECEIVED  
B.L.M. LAND OFFICE

MAR 19 1971

10:00 A.M.  
PHOENIX, ARIZONA

March 18, 1971

## Memorandum

To : Land Office Manager, Arizona  
From : State Director, Arizona  
Subject: Mineral Survey No. 4570

This memorandum cancels the survey of the Trails End Mine lode claim of Mineral Survey No. 4570. The following notation should be made on the plat of Mineral Survey No. 4570:

Survey of Trails End Mine lode claim cancelled by State Director's memorandum dated March 18, 1971.

The plat and field notes should remain in the files. This memorandum should be made a part of the original field notes.

Adverse proceedings were initiated against the claim on June 22, 1962, under Contest Number 10513. By Land Office Manager's Decision dated August 14, 1962, the Trails End Mine lode claim was declared null and void. No appeal from the Decision was filed during the time allowed, and Contest Number 10513 was closed August 14, 1962.

Mineral Survey No. 4570 does not appear on any subsisting plats. Application AR 021661 for purchase for Recreation and Public Purposes has been filed for a portion of the lands formerly embraced by the Trails End Mine lode claim of Mineral Survey No. 4570.

cc: Director



United States Department of the Interior

RECEIVED  
B.L.M. LAND OFFICE  
MAR 18 1971  
10:00 A.M.  
PHOENIX, ARIZONA

1

[Faint, mostly illegible typed text, likely a memorandum or letter, containing several paragraphs.]

*[Handwritten signature]*