

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4322

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

WHITEHALL COMPANY, INCORPORATED

Known As The

FRICTION

WHITE PICACHO Mining District,

Yavapai

County, Arizona

Section 3 T 7 N. R. 3 W.  
Sections 34 AND 35, Township 8 N., Range 3 W.

Surveyed under instructions dated April 15, 1948

by J. WILLIAM WAARA  
U. S. Mineral Surveyor.

Claim located November 20, 1947

Survey commenced April 12, 1948

Survey completed April 16, 1948

Address of claimant Whitehall Company, Incorporated  
c/o Edward B. Ashurst, Atty.  
Wickenburg Arizona.

DATES OF AMENDED LOCATIONS

February 5, 1948

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. \_\_\_\_\_

SECTION \_\_\_\_\_  
TOWNSHIP \_\_\_\_\_  
RANGE \_\_\_\_\_

FIELD NOTES

OF THE SURVEY OF THE MINERAL CLAIM OF

RECALL ORIGINALLY LOCATED

KNOWN AS THE

SECTION \_\_\_\_\_

OF THE DISTRICT \_\_\_\_\_

ALSO

COUNTY \_\_\_\_\_

STATE \_\_\_\_\_

SECTION \_\_\_\_\_ TOWNSHIP \_\_\_\_\_ RANGE \_\_\_\_\_

SURVEYED UNDER PATENT DATED \_\_\_\_\_

BY \_\_\_\_\_  
A. S. MINERAL SURVEYOR

CLAIM LOCATED \_\_\_\_\_

STAKE DEMONSTRATED \_\_\_\_\_

SURVEY COMPLETED \_\_\_\_\_

ADDRESS OF CLAIMANT \_\_\_\_\_

DATE OF AMENDED LOCATION \_\_\_\_\_

DATE OF AMENDED LOCATION \_\_\_\_\_

\_\_\_\_\_

This survey was made with a Lietz Light Mountain transit No. 9503 Model No. 9 with a horizontal limb 5 ins. diam., having two double opposite verniers reading to thirty seconds of arc, and full vertical circle 5 ins. diam., having two double opposite verniers reading to one minute of arc; the eye piece is fitted to receive a prismatic eye piece suitable for making direct observations upon the sun or Polaris. 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 deflection angles referred to the meridian determined by the following observation:

April 15, 1948 at the discovery point on the lode line of the Friction lode, in latitude 33° 59' 15" N. and longitude 112° 34' W., I make a series of four altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point SW. to the sun.

Mean time of observation,	105th		
meridian standard time		3h 05m P.M.	
Declination of sun at mean time			
of observation		9° 59' 10"	
Observation	Mean observed	Mean horizontal angle	
	vertical angle	flag to sun	
1st	48° 33' 00"	63° 46' 30"	
2nd	47° 39' 00"	64° 57' 00"	
3rd	46° 48' 30"	66° 01' 15"	
4th	45° 54' 00"	67° 07' 00"	

True bearing to reference point S. 0° 21' E.

The lines were measured with a 1/8th inch steel tape 500 feet in length, graduated every foot, which was compared with a steel standard tape 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 14° 45' E.

Feet

FRICTION LODE

At Cor. No. 1 of the Friction lode.

Set an iron pipe, 36 ins. long, fitted with a floor flange 3 ins. diam., to which I securely fastened a copper disc 3 ins. diam., driven 18 ins. into the ground and surrounded by a substantial mound of stone, marked F 1 4322 with its center for exact corner point; from which

The corner of Sections 34-35, T. 8 N., R. 3 W., and Sections 2-3, T. 7 N., R. 3 W., Gila and Salt River Base and Meridian, bears N. 86° 38' E., 817.7 ft., an iron pipe 2 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

No other bearings available.

Thence N. 60° 04' W.

301.9 South Center End, a substantial mound of stone on lode line; discovery point bears N. 36° 27' E., 1130 ft.

430. Cross mine road, bears southwest to northeast.

603.8	<p>Cor. No. 2.</p> <p>Set an iron pipe, 36 ins. long, fitted with a floor flange, 3 ins. diam., to which I securely fastened a copper disc 3 ins. diam., driven 18 ins. into the ground and surrounded by a substantial mound of stone, marked F 2 4322 with its center for exact corner point; from which</p> <p>A schist rock in place 6x4x1 ft. exposed and chiseled BxR F 2 (no additional markings possible) bears N. 21° 30' W., 53.8 ft. Thence N. 36° 27' E.</p>
1500.0	<p>Cor. No. 3</p> <p>Set an iron pipe, 36 ins. long, fitted with a floor flange, 3 ins. diam., to which I securely fastened a copper disc 3 ins. diam., driven 18 ins. into the ground and surrounded by a substantial mound of stone; marked F 3 4322 with its center for exact corner point; from which</p> <p>No bearings available. Thence S. 60° 04' E.</p>
301.9	<p>North Center End, a substantial mound of stone on lode line; discovery point bears S. 36° 27' W., 370 ft.</p>
603.8	<p>Cor. No. 4.</p> <p>Set an iron pipe, 36 ins. long, fitted with a floor flange, 3 ins. diam., to which I securely fastened a copper disc 3 ins. diam., driven 18 ins. into the ground and surrounded by a substantial mound of stone; marked F 4 4322 with its center for exact corner point; from which</p> <p>A granite rock in place 3x2x1 ft. exposed and chiseled BxR F 4 4322, bears S. 84° 16' W., 54.8 ft. Thence S. 36° 27' W.</p>

1500.0 Cor. No. 1 and place of beginning.

**AREAS**

Total area Friction lode	Acres 20.658
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**LOCATION**

This survey is located in NE $\frac{1}{4}$  Sec. 3, T. 7 N., R. 3 W., SE $\frac{1}{4}$  Sec. 34. and SW $\frac{1}{4}$  Sec. 35, both in T. 8 N., R. 3 W., of the Gila and Salt River Base and Meridian, Yavapai County, State of Arizona.

The survey of this lode is identical with the 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 this lode location embraced in said mining claim by the claimant or its grantors are as follows:

No. 1 The discovery open pit, the most northerly point of which bears S. 36° 27' W., 320 ft. from the North Center End, its outside boundaries running S. 14° W., 50 ft. to a point at 13 ft. breast; thence along 13 to 15 ft. breast S. 86° E., 47 ft. to a point at 13 ft. breast; thence S. 32° E., 32 ft. to a point at base of cut; thence along base of cut N. 88° W., 77 ft. to end of pit and beginning of stripping area whence point at end of first course mentioned, bears N. 28° E., 30 feet; thence S. 88° W., 27 ft.; thence N. 56° W., 67 ft.; thence N. 41° E., 24 ft.; thence N. 79° E., 76 ft. to place of beginning. The pit excavation amounts to 372 cubic yards or 651 tons and the stripping excavation amounts to 360 cubic yards or 640 tons.

Value pit excavation \$651.00

Value stripping 320.00

No. 2 A stripping area, the northwest end of which, bears S. 36° 27' W., 285 ft. from the North Center End, running thence along 2 ft. breast and 6 ft. wide, S. 18° E., 106 ft. The stripping excavation amounts to 24 cubic yards or 42 tons.

Value \$21.00

#### OTHER IMPROVEMENTS

Rough mine road 1350 feet in length.

#### OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None.

#### FIELD ASSISTANTS

Mel Ogden Chainman

James Blake Chainman

Survey No. 1522

The discovery open pit, the most northerly point of which bears S. 30° E., 230 ft. from the North Corner and its outside boundaries running S. 14° W., 50 ft. to point at 15 ft. breast; thence along 15 ft. breast S. 00° E., 47 ft. to a point at 15 ft. breast; thence S. 32° E., 32 ft. to a point at base of cut; thence along base of cut S. 00° W., 77 ft. to end of pit and southern of striping area whence point at end of first course mentioned, bears N. 20° E., 30 feet; thence S. 00° W., 27 ft.; thence N. 00° E., 15 ft.; thence N. 11° E., 24 ft.; thence N. 70° E., 30 ft. The pit excavation amounts to 2 cubic yards of soil and the striping excavation amounts to 500 cubic yards of soil.

No. 1

Value pit excavation \$51.00  
 Value striping \$20.00

A striping area, the northwest end of which bears S. 30° E., 202 ft. from the North Corner and running thence along S. 15° E., 100 ft. The striping excavation amounts to 24 cubic yards of soil.

No. 2

Value \$21.00

OTHER IMPROVEMENTS

North line road 150 feet in length.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None.

FIELD ASSISTANTS

James Blake  
 Chairman  
 J. O. Gage  
 Chairman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT

FINAL OATH OF MINERAL SURVEYOR

I, J. William Weara, Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral  
Engineer, at Phoenix, Arizona., dated April 15, 1948,  
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 \_\_\_\_\_  
Whitehall Company Inc, known as the  
Friction,  
situate in White Picacho Mining District,  
Yavapai County, Arizona, in Section s  
3 Township 7 N., Range 3 W.  
34 and 35, Township No. 8 N., Range No. 3 W.  
and designated as Survey No. 4322, 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 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.

J. William Weara  
(Mineral Surveyor)

Subscribed and sworn to by the said J. William Weara  
Mineral Surveyor, before me Notary Public

\_\_\_\_\_ this 7  
day of May, 1948

[Signature]  
Notary Public





CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

August 25, 1948

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 Whitehall Company, Incorporated

....., known as the

FRICTION

situate in White Picacho mining district,

Yavapai County, Arizona

in Section 3, Township No. 7 North, Range No. 3 West  
and Sections 34 and 35, Township 8 North, Range 3 West  
....., designated as Survey No. 4322

executed by J. William Waara, Mineral

Surveyor, April 12 to April 16, 1948, under my instructions dated

April 15, 1948, 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.

*Frank W. Chapin*  
Office Cadastral Engineer.

