

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4465

MOGOLLON RIM MINING DISTRICT

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

ALMA E. BIGLER and BRUNO ROJEWSKI

Known As The

FERNLEAF NO. 1 and FERNLEAF NO. 2

MOGOLLON RIM Mining District,

COCONINO County, ARIZONA

Section 24, Township 11 N., Range 14 E., G&SRM

Surveyed under order dated September 26, 19 58

by Harvey W. Smith
Mineral Surveyor.

Claim located June 27, 19 55

Survey commenced November 15, 19 58

Survey completed December 13, 19 58

Address of claimant c/o Joseph H. Morgan, Attorney
322 Luhrs Bldg.
Phoenix, Arizona

DATES OF AMENDED LOCATIONS

Fernleaf No. 1 -- September 19, 1958

Fernleaf No. 2 -- September 19, 1958

Feet

This survey was made with a K & E mountain transit, No. 131620, with horizontal limb 5 1/2 ins. diam., having two double opposite verniers, and full vertical circle 4 1/2 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.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

December 4, 1958, at Cor. No. 1 of the Fernleaf No. 1 lode, in latitude 34° 19' 20" N. S. and longitude 110° 48' 12" W., I make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope indirect and reversed positions, observing opposite limbs of the sun and reading the horizontal angle from a reference pt. about 600 ft. southwestward to the sun.

Local standard time of observation,
105th meridian standard time = 10:35 a.m.

Declination of sun, Greenwich apparent
noon on day of observation Dec. 4, 1958 = 22° 12' 30.8" S.

Mean observed vertical angle to
sun's center = 28° 55' 40"

Mean horizontal angle from reference pt.
to sun's center = 314° 31' 40"

True bearing to reference point = S. 19° 42' W.

The lines were measured with a K & E "Warrior" steel tape, 200 ft. in length, graduated every foot for 199 ft., and the remaining foot graduated to tenths and hundredths.

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° 15' E.

FERNLEAF NO. 1 LODE

At cor. No. 1 of the Fernleaf No. 1 lode.

Set a galvanized iron post, 2 1/4 ins. long, 3/4 ins. diam. in a 15-lb. concrete and rock base, 16 ins. in the ground, with a brass cap 2 ins. diam., set in concrete within the iron post, mkd. MS 4465 FLI I X; from which

The cor. for secs. 13, 24, 18 and 19, T. 11 N., Rs. 14 and 15 E., G&SM, bears N. 30° 55' 30" E., 1943.01 ft. dist; an iron post, 2 ins. diam., 12 ins. above the ground, firmly set, marked and witnessed as described in the official record.

Cor. No. 2, Sur. No. 4360, Hillcrest No. 11 lode, bears N. 52° 15' W., 1038.47 ft. dist.

A mound of stone constructed adjacent to the iron post.

Feet	Thence S. 19° 30' W.
300.00	Lode line; discovery pt. bears N. 76° 10' W., 555.0 ft. dist.
599.50	Cor. No. 2, identical with cor. No. 1, Fernleaf No. 2 lode, this survey.
	Set a galvanized iron post, 24 ins. long, 3/4 ins. diam., in a 15-lb. concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., set in concrete within the iron post mkd. MS 4465 FL1 2 FL2 1 X; from which
	The cor. for secs. 13, 18, 24 and 19, T. 11 N., Rs. 14 and 15 E. previously described, bears N. 28° 14' E., 2533.30 ft. dist.
	A mound of stone constructed adjacent to the iron post.
	Thence N. 76° 10' W.
1490.41	Cor. No. 3, identical with cor. No. 4, Fernleaf No. 2 lode, this survey.
	Set a galvanized iron post, 24 ins. long, 3/4 ins. diam., in a 15-lb. concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., set in concrete within the iron post, mkd. MS 4465 FL1 3 FL 2 4 X.
	A mound of stone constructed adjacent to the iron post.
	Thence N. 19° 30' E.
299.50	Lode line; discovery pt. bears S. 76° 10' E., 935.41 ft. dist.
599.50	Cor. No. 4
	Set a galvanized iron post, 24 ins. long, 3/4 ins. diam., in a 15-lb. concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., set in concrete within the iron post, mkd. MS 4465 FL1 4 X.
	A mound of stone constructed adjacent to the iron post.
	Thence S. 76° 10' E.
1490.41	Cor. No. 1 and place of beginning.

FERNLEAF NO. 2 LODGE

	At cor. No. 1 of the Fernleaf No. 2 lode, identical with Cor. No. 2, Fernleaf No. 1 lode, this survey, previously described.
	Thence S. 19° 30' W.
300.00	Lode line; discovery pt. bears N. 76° 10' W., 325.0 ft. dist.
590.51	Cor. No. 2
	Set a galvanized iron post, 24 ins. long, 3/4 ins. diam., in a 15-lb. concrete and rock base, 16 ins. in the ground with a brass cap, 2 ins. diam., set in concrete within the iron post, mkd. MS 4465 FL2 2 X.
	A mound of stone constructed adjacent to the iron post.

CHAINS Feet	
1491.07	<p>Thence N. 76° 30' 30" W.</p> <p>Cor. No. 3</p> <p>Set a galvanized iron post, 24 ins. long, 3/4 ins. diam., in a 15-lb. concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., set in concrete within the iron post, mkd. MS 4465 FL2 3 X.</p> <p>A mound of stone constructed adjacent to the iron post.</p> <p>Thence N. 19° 30' E.</p>
299.50	Lode line; discovery pt. bears S. 76° 10' E., 1165.41 ft. dist.
599.50	Cor. No. 4, identical with Cor. No. 3, Fernleaf No. 2 lode, this survey, previously described.
	Thence S. 76° 10' E.
1490.41	Cor. No. 1 and place of beginning.

SURVEY NO. 4465

AREAS

Acres

Total area, Fernleaf No. 1 lode	20.412
Total area, Fernleaf No. 2 lode	20.257

LOCATION

This survey is located in the N $\frac{1}{2}$ and SE $\frac{1}{4}$ Sec. 24, T. 11 N., R. 14 E., G&SRM.

This survey is wholly within the locations as marked on the ground. All corners are identical with corners of the location.

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 its grantors are as follows:

- No. 1 The discovery cut of the Fernleaf No. 1 lode is on the lode line 555.0 ft. from a pt. on line 1-2, 300.0 ft. from cor. No. 1; a pit 8 x 8 x 8 ft. deep.
Value, \$120.
- No. 2 An open cut, irregularly shaped, the south end of which bears N. 82° W., 800 ft. dist. from Cor. No. 1 of the Fernleaf No. 1 lode, 100 x 50 x 4 ft. deep.
Value, \$300.
- No. 1 The discovery cut of the Fernleaf No. 2 lode is on the lode line 325.0 ft. from a pt. on line 1-2, 300.0 ft. from Cor. No. 1; a pit 14 ft. diam. and 7 ft. deep.
Value, \$150.

Chains

No. 2

An open cut, the NW end of which bears S. 24° 30' W., 535.0 ft. from Cor. 1, Fernleaf No. 2 lode; 12 x 10 ft. deep and running S. 20° 30' E., 20 ft.

Value, \$125.

OTHER CORNER DESCRIPTIONS & SUPPLEMENTAL DATA

Survey 4360, Hillcrest No. 11 lode, Cor. No. 2, a gray sandstone rock, 4 x 8 ins., 4 ins. above ground mkd. "Cor. 2, H 11 4360 X".

FIELD ASSISTANTS

Name Capacity

Frank Sherer

Chainman

Troy Sheets

Chainman

Richard Cleveland

Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

January 6, 1959

I, Harvey W. Smith

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Bureau of
Cadastral Engineer
Land Management-Dept. of Interior-Office, at Phoenix, Arizona

dated September 26, 1958, I have faithfully and correctly executed the survey of

the mining claim of Alma E. Bigler and Bruno Rojewski

known as the Fernleaf No. 1 and Fernleaf No. 2
(Lode, placer, or mill site)

situate in Mogollon Rim--Section 24

T. 11 N., R. 14 E., G. & S. R. Meridian, Arizona, and
(State)

designated as Survey No. 4465, 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 their 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.

Phoenix, Arizona
(Place)

Harvey W. Smith
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office
(Office)

Phoenix, Arizona July 16, 1959
(Place) (Date)

The foregoing field notes of mineral survey No. 4465, in

Section 24, T. 11 North, R. 14 East, Gila & Salt River Meridian,

Arizona, executed by Harvey W. Smith, Mineral Surveyor,
(State)

under order dated September 26, 1958, 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.

Lester S. Mann
Lester S. Mann

Office Cadastral Engineer
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. 4465 is a true copy of the original field notes.

Chains

Supplemental Expenditures

The improvements and the value of the labor and improvements made since the survey upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:

No. 1 The discovery cut of the Fernleaf No. 1 lode is on the lode line 555.0 ft. from a pt. on line 1-2, 300.0 ft. from cor. No. 1; an untimbered shaft 8 x 8 x 8 ft. deep. A re-examination of this working and the problems involved sinking it -- drilling, blasting, mucking out, as differentiated from bulldozer cuts -- indicates that the value should be raised.

Value, \$200.00.

No. 3 An open pit, the east end of which bears S. 70°W. 520.0 ft. from cor. No. 1, Fernleaf No. 2 lode, 8 ft. wide, 4 ft. deep and running N. 76°W. 25 ft.

Value, \$200.00.

No. 4 An open pit, the northeast corner of which bears S. 84°W., 425.0 ft. from cor. No. 1, Fernleaf No. 2 lode, 8 x 8 x 3 ft. deep.

Value, \$60.00.

These supplemental improvements were examined and located by me on July 26, 1959.

Harvey W. Smith
Harvey W. Smith
Mineral Land Surveyor

U.S. GEOLOGICAL SURVEY

Chains	Description	Value
	<p>The improvement and the value of the lot and improvements made since the survey upon or for the benefit of each of the lots located within the lot and improvements by the claimant or the grantor as follows:</p> <p>The lot covers an area of 1.2 acres, more or less, and is bounded on the north by the lot of the U.S. Geological Survey, on the east by the lot of the U.S. Geological Survey, on the south by the lot of the U.S. Geological Survey, and on the west by the lot of the U.S. Geological Survey.</p> <p>An unnumbered lot of 1.2 acres, more or less, is situated to the west of the lot described above. The lot is bounded on the north by the lot of the U.S. Geological Survey, on the east by the lot of the U.S. Geological Survey, on the south by the lot of the U.S. Geological Survey, and on the west by the lot of the U.S. Geological Survey.</p> <p>The lot is bounded on the north by the lot of the U.S. Geological Survey, on the east by the lot of the U.S. Geological Survey, on the south by the lot of the U.S. Geological Survey, and on the west by the lot of the U.S. Geological Survey.</p> <p>Value, \$300.00.</p>	
	<p>An open lot, the east end of which bears S. 70° W. 120.0 ft. from cor. No. 1, Technical No. 2, lot, 8 ft. wide 4 ft. deep and bearing N. 70° W. 120.0 ft.</p> <p>Value, \$100.00.</p>	
	<p>The lot is bounded on the north by the lot of the U.S. Geological Survey, on the east by the lot of the U.S. Geological Survey, on the south by the lot of the U.S. Geological Survey, and on the west by the lot of the U.S. Geological Survey.</p> <p>Value, 500.00.</p>	
	<p>These additional improvements were examined and located by me on July 25, 1950.</p> <p>Surveyor: [Signature]</p> <p>Assistant Surveyor: [Signature]</p>	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

_____, 19____

I, _____,
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the _____
 _____, at _____
 dated _____, I have faithfully and correctly executed the survey of
 the mining claim of _____,
 known as the _____,
(Lode, placer, or mill site)
 situate in _____,
 T. _____, R. _____, Meridian, _____, and
(State)
 designated as Survey No. _____, 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 _____ location(s) embraced in the said mining claim by
(Lode or placer)
 claimant(s) or _____ 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.

(Place)

(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office of Cadastral Engineer

(Office)

Phoenix, Arizona

(Place)

August 14

(Date)

1959

The foregoing field notes of mineral survey No. 4465, in Mogollon Mining District

Sec. 24, T. 11 N., R. 14 E., Gila & Salt River Meridian,

Arizona, executed by Harvey W. Smith, Mineral Surveyor,
(State)

under order dated July 1, 1959, 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.

Lester S. Mann

Lester S. Mann
Office Cadastral Engineer

(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)

THE BOARD OF SUPERVISORS
COUNTY OF SAN FRANCISCO

RESOLUTION NO. 10000
APPROVED AND PASSED AT A PUBLIC HEARING HELD AT THE BOARD ROOM OF THE COUNTY OF SAN FRANCISCO, CALIFORNIA, ON THE 10TH DAY OF MARCH, 1997.

THE BOARD OF SUPERVISORS HAS CONSIDERED AND ADOPTED THE FOLLOWING RESOLUTION:

RESOLVED, THAT the Board of Supervisors hereby approves and passes the following resolution:

That the Board of Supervisors hereby approves and passes the following resolution:

That the Board of Supervisors hereby approves and passes the following resolution:

RESOLUTION NO. 10000

OFFICE OF SUPERVISOR [Name]

10000 [Address]

San Francisco, California

APPROVED AND PASSED AT A PUBLIC HEARING HELD AT THE BOARD ROOM OF THE COUNTY OF SAN FRANCISCO, CALIFORNIA, ON THE 10TH DAY OF MARCH, 1997.

OFFICE OF SUPERVISOR [Name]

RESOLUTION NO. 10000

APPROVED AND PASSED AT A PUBLIC HEARING HELD AT THE BOARD ROOM OF THE COUNTY OF SAN FRANCISCO, CALIFORNIA, ON THE 10TH DAY OF MARCH, 1997.

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

REPORT OF EXPENDITURES AFTER RETURN OF SURVEY OF MINING CLAIM

August 14, 1959

(Date)

I, Lester S. Mann, Cadastral Engineer at Phoenix, Arizona

do hereby certify that five hundred dollars' (\$500) worth of labor has been expended or improvements made by claimant or their grantors upon the mining claim of

Alma E. Bigler and Bruno Rojewski

known as the Fernleaf Nos. 1 and 2

situate in Mogollon mining district,

Coconino County, Arizona

in Section 24, Township No. 11 N., Range No. 14 E.; that said

improvements consist of those improvements located on the Fernleaf Nos. 1 and 2

lodes shown in the supplemental field notes approved August 14, 1959, of

Mineral Survey No. 4465

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim. A copy of the report of Harvey W. Smith,
Mineral Surveyor, dated July 26, 1959, is hereto attached.

Lester S. Mann

Lester S. Mann

Cadastral Engineer.

SURVEY NO. 4465

CHANGES

SUPPLEMENTAL EXPENDITURES REPORT NO. 2

000010

Feet

The improvements and the value of the labor and improvements made since the first report of supplemental expenditures 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. 2 Additional work has been done on this improvement. A pit, the NE cor. of which bears N.77°W., 820 ft. dist. from cor. No. 1 of the Fernleaf No. 1 lode; 10x12 ft. in size, 6½ ft. deep.
Value, \$200.
- No. 3 A pit, the NE cor. of which bears N.77°W., 1250 ft. dist. from cor. No. 1 of the Fernleaf No. 1 lode; 6x10 ft. in size, 5 ft. deep.
Value, \$150.
- No. 4 A pit, the NE cor. of which bears N.76°30'W., 1225 ft. dist. from cor. No. 1 of the Fernleaf No. 1 lode; 5x6 ft. in size, 8 ft. deep.
Value, \$175.
- No. 5 A pit, the NE cor. of which bears N.77°20'W., 1195 ft. dist. from cor. No. 1 of the Fernleaf No. 1 lode; 4 ft. wide, 4½ ft. deep and running N.76°W., 20 ft.
Value, \$125.

Harvey W. Smith
Oct. 9, 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

_____, 19____

I, _____,
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the _____
_____, at _____
dated _____, I have faithfully and correctly executed the survey of
the mining claim of _____,
known as the _____,
(Lode, placer, or mill site)
situate in _____,

T. _____, R. _____, _____ Meridian, _____, and
(State)
designated as Survey No. _____, 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 _____ location(s) embraced in the said mining claim by
(Lode or placer)
claimant(s) or _____ 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.

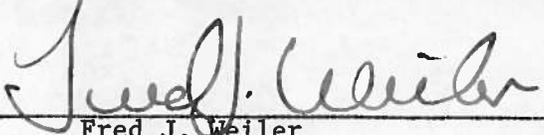
(Place) (Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office
(Office)
Phoenix, Arizona November 6, 19 61
(Place) (Date)

The foregoing field notes of mineral survey No. 4465, in Mogollon Mining District
Sec. 24, T. 11 N., R. 14 E., G. & S. R. Meridian,
Arizona, executed by Harvey W. Smith, Mineral Surveyor,
(State)

under order dated _____, 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.


Fred J. Weiler
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)

