

Form 4-683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number

4620

State

Arizona

Land District

Arizona

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Leroy K. Smith
325 East Magnolia
Fort Collins, Colorado

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Copper # 1	7/1/54	8/7/54 3/28/64
Copper # 2	7/1/54	8/7/54 3/28/64

Mining district Castle Creek			County Yavapai	
Section 11 & 14	Township 8 N.	Range 3 W.	Meridian G. & S.R.M.	Survey under order dated 4/15/64
Survey commenced 4/16/64		Survey completed 5/1/64	Name of Mineral Surveyor Harvey W. Smith	

STATE OF TEXAS
COUNTY OF [illegible]

[illegible]
[illegible]

[illegible]
[illegible]

[illegible]
[illegible]

[illegible]
[illegible]

SURVEY NO. 4620

(1)

FEET

This survey was made with a Swiss Kern theodolite, model DKM1, No. 77769, having horizontal and vertical circles 50 mm. in diam. The circles are graduated in degrees and twenty-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles direct to 10 seconds accuracy and estimating to one-second accuracy. 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 10:15 AM on April 25, 1964 at cor. No. 4 of the Copper # 1 lode, identical with cor. No. 2 of the Copper # 2 lode of this survey, latitude $34^{\circ} 02' 49''$ North, longitude, $112^{\circ} 32' 34.3''$ West, turning from a reference pt. about 500 ft. southeast, clockwise to the sun in a southeast direction.

True bearing of reference pt.

S. $48^{\circ} 38'$ E.

The lines were measured with a Lufkin "Highway" tape, 300 ft. in length graduated every ft. for 299 ft. and the remaining ft. graduated to tenths and hundredths. One additional ft. at the "0" end of the tape is also graduated in tenths and hundredths. The tape was compared to a standard 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 $16^{\circ} 50'$ E.

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At cor, No. 1 of the Copper # 1 lode, identical with cor. No. 1 of the Copper # 2 lode of this survey.

Set a galvanized iron post, $3/4$ in. diam., 30 ins. long in a 25 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. USMS C1 1 C2 1 X; from which

The cor. of secs. 11, 12, 13 & 14, T.8N., R.3 W., G.&S.R.B.&M., bears S. $63^{\circ} 39' 05''$ E., 2,447.87 ft. dist.; an iron post 2 ins. diam., 12 ins. above ground, firmly set, properly mkd. and witnessed as described in the official record.

A mound of stones constructed and painted yellow adjacent to the iron post.

Thence S. $41^{\circ} 22'$ W.

FEET	
13.43	Intersect line 1-2, Sur. No. 3552, Woodrow Wilson lode, at a pt. from which cor. No. 2 bears S. 52° 00' 20" W., 752.58 ft. dist.
33.16	Intersect line 2-3, Sur. No. 3552, Andrew Jackson lode at a pt. from which cor. No. 3 bears S. 51° 27' W., 1419.26 ft. dist.
980.84	Intersect line 3-4, Sur. No. 3552, Woodrow Wilson lode in part common with line 4-1, Sur. No. 3552, Hughes lode at a pt. from which cor. No. 3 of the Woodrow Wilson lode bears N. 38° 33' W., 82.11 ft. dist. and cor. No. 1 of the Hughes lode bears N. 38° 33' W., 111.51 ft. dist.
1391.17	Intersect line 1-2, Sur. No. 3552, Hughes lode, at a pt. from which cor. No. 1 bears N. 27° 02' 10" E., 443.55 ft. dist.
1500.00	<p>Cor. No. 2</p> <p>Set a galvanized iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post mkd. USMS 4620 Cl 2 X; from which</p> <p style="padding-left: 40px;">Cor. No. 3, Sur. No. 3552, Andrew Jackson lode, bears N. 33° 00' 10" W., 258.01 ft. dist.</p> <p style="padding-left: 40px;">Cor. No. 1, Sur. No. 3552, Hughes lode, bears N. 29° 50' 40" E., 549.66 ft. dist.</p> <p style="padding-left: 40px;">Cor. No. 3, Sur. No. 3552, Woodrow Wilson lode, bears N. 32° 44' 55" E., 539.53 ft. dist.</p> <p style="padding-left: 40px;">A mound of stones constructed and painted yellow adjacent to the iron post.</p> <p style="padding-left: 80px;">Thence N. 48° 38' W.</p>
300.00	Lode line; discovery pt. bears N. 41° 22' E., 896 ft.
600.00	<p>Cor. No. 3</p> <p>Set a galvanized iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. USMS 4620 Cl 3 X; from which</p> <p style="padding-left: 40px;">A mound of stones constructed and painted yellow adjacent to the iron post.</p> <p style="padding-left: 80px;">Thence N. 41° 22' E.</p>
132.03	Intersect line 3-4, Sur. No. 3552, Andrew Jackson lode, at a pt. from which cor. No. 3 bears S. 38° 33' E., 357.04 ft. dist.

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FEET	
1300.00	Unimproved road bears S. 80° W. and N. 80° E.
1310.00	Right bank of Buckhorn wash, 25 ft. wide, course, N.80° E.
1500.00	Cor. No. 4, identical with cor. No. 2 of the Copper # 2 lode of this survey. Set a galvanized iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 18 ins. in the ground with a brass cap, 2 ins. in diam., firmly secured to the iron post, mkd. USMS 4620 C1 4 C2 2 X; from which Cor. No. 1, Sur, No. 3552, Andrew Jackson lode, identical with cor. No. 1 of the Abe Lincoln lode and cor. No. 2 of the Tom Jefferson lode, all of the same survey, bears N. 50° 00' 20"E., 153.83 ft. dist. A mound of stones constructed and painted yellow adjacent to the iron post. Thence S. 48° 38' E.
180.00	Left bank of Buckhorn wash, 25 ft. wide, course S.50° E.
210.00	Unimproved road bears S.50° E. and N. 50° W.
300.00	Lode line; discovery pt. bears S. 41° 22' W., 604 ft. dist.
600.00	Cor. No. 1 and the place of beginning.
	COPPER # 2 LODE
	Beginning at cor. No. 1 of the Copper # 2 lode, identical with cor. No. 1 of the Copper # 1 lode of this survey; previously described. Thence N. 48° 38' W.
300.00	Lode line; discovery pt. bears N. 41° 22' E., 150 ft. dist.
390.00	Unimproved road bears N.50° W., and S. 50° E.
400.00	Right bank of Buckhorn wash, 25 ft. wide, course, S.50° E.
600.00	Cor. No. 2, identical with cor. No. 4 of the Copper # 1 lode of this survey; previously described. Thence N. 41° 22' E.
22.15	Intersect line 4-1, Sur. No. 3552, Andrew Jackson lode, identical with line 2-3, of the Tom Jefferson lode of the same survey, at a pt. from which cor. No. 1 of the Andrew Jackson lode, identical with cor. No. 1 of the Abe Lincoln lode and cor. No. 2 of the Tom Jefferson lode, bears N. 51° 27' E., 131.98 ft. dist.
156.20	Intersect line 1-2, Sur. No. 3552, Tom Jefferson lode

FEET	
	at a pt. from which cor. No. 2 of the Tom Jefferson lode, identical with cor. No. 1 of the Andrew Jackson lode and cor. No. 1 of the Abe Lincoln lode, all of the same survey, bears S. $38^{\circ} 33'$ E., 23.47 ft. dist.
1500.00	Cor. No. 3 Set a galvanized iron post, $3/4$ in. diam., 30 ins. long, in a 25 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. USMS 4620 C2 3 X; from which A mound of stones constructed and painted yellow adjacent to the iron post. Thence S. $48^{\circ} 38'$ E.
262.31	Intersect line 1-2, Sur. No. 3552, Abe Lincoln lode, at a pt. from which cor. No. 1, identical with cor. No. 1 of the Andrew Jackson lode and cor. No. 2 of the Tom Jefferson lode, all of the same survey, bears S. $51^{\circ} 25' 20''$ W., 1369.91 ft. dist.
300.00	Lode line; discovery pt. bears S. $41^{\circ} 22'$ W., 1350 ft. dist.
600.00	Cor. No. 4 Set a galvanized iron post, $3/4$ in. diam., 30 ins. long, in a 25 pound concrete and rock base, 18 ins. in the ground, with a brass cap, 2 ins diam., firmly secured to the iron post, mkd. USMS 4620 C2 4 X; from which A mound of stones constructed and painted yellow adjacent to the iron post. Thence S. $41^{\circ} 22'$ W.
1190.00	Left bank Buckhorn wash, 20 ft. wide, course, S. 60° E.
1200.00	Unimproved road bears N. 60° W. and S. 60° E.
1451.14	Intersect line 4-1, Sur. No. 3552, Abe Lincoln lode, common with line 1-2 of the Andrew Jackson lode of the same survey, at a pt. from which cor. No. 1 of the Abe Lincoln lode, identical with cor. No. 1 of Andrew Jackson lode and cor. No. 2 of the Tom Jefferson lode all of the same survey, bears N. $38^{\circ} 29' 20''$ W., 586.06 ft. dist.
1500.00	Cor. No. 1, and the place of beginning.
SURVEY NO. 4620	
AREAS	
	Acres
Total area Copper # 1 lode	20.661
Area in conflict with Sur. No. 3552, Woodrow Wilson lode	1.731

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Sur. No. 3552, Andrew Jackson lode	15.466
Sur. No. 3552, Andrew Jackson lode exclusive of its conflict with the Woodrow Wilson lode of the same survey	15.342
Sur. No. 3552, Hughes lode	0.517
Total area Copper # 2 lode	20.661
Area in conflict with	
Sur. No. 3552, Tom Jefferson lode	0.036
Sur. No. 3552, Abe Lincoln lode	14.839
Sur. No. 3552, Andrew Jackson lode	1.377

LOCATION

This survey is located in the SW. $\frac{1}{4}$ and SE. $\frac{1}{4}$ of sec. 11 and the NW. $\frac{1}{4}$ of sec. 14, T.8N., R.3W., G. & S. R. B. & M.

The survey of the Copper #s 1 & 2 lodes is identical with the amended locations 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 Copper # 1 is on the lode line, 604 ft. from a pt. on line 4-1, 300 ft. from cor. No. 1.

Value, None.

No.1 The discovery pt. of the Copper # 2 lode is on the lode line 150 ft. from a pt. on line 1-2, 300 ft. from cor. No. 1.

Value, None.

No.2 A cut, the SE. cor. of which bears N. 13° W., 280 ft. from cor. No. 1 of the Copper # 2 lode; 6 ft. wide, running N. 40° E., 10 ft. to a 10 ft. high face.

Value, \$150.00

An interest in a common improvement described as follows:

A shaft, not timbered and caved at the collar, 6 x 8 ft. in size, reportedly 258 ft. in depth. The NE. cor. of the collar bears N. 70° 30' W., 420 ft. from cor. No. 1 of the Copper # 1 lode.

Value of shaft \$15,000
Value apportioned this claim, \$500.00 to each lode.

This improvement was put down to develop the Copper #s 1 & 2 lodes and adjacent ground. The surface rises rapidly to the southwest and the northeast. Drifts with necessary cross-cuts and laterals from this shaft would be the most economical method of developing these lodes.

Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this survey subsequent to

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its location and to the time since which common ownership and contiguity have prevailed; therefore five hundred (\$500) dollars of its total value is hereby credited to each of the Copper #s 1 & 2 lodes.

No portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

OTHER IMPROVEMENTS.

A caved shaft, reportedly 6 X 8 ft. in size, 600 ft. deep. The NE. cor. of the collar bears S. $74^{\circ}30'$ W., 680 ft. from cor. No. 1 of the Copper # 1.

Claimant Unknown

A cut, the NW. cor. of which bears S. 40° W., 525 ft. from cor. No. 4 of the Copper # 1 lode; 10 ft. wide, running S. 41° W., 30 ft. to a 20 ft. high face.

Claimant Unknown

An adit, the portal of which bears N. 75° W., 285 ft. from cor. No. 1 of the Copper # 1 lode; 4x6 ft. in size, running S. 48° W., 50 plus ft.

Claimant Unknown

An adit, the portal of which bears N. 66° W., 305 ft. from cor. No. 1 of the Copper # 1 lode; 4x6 ft. in size, running S. 30° W., 50 plus ft.

Claimant Unknown

A cut, the SE. cor. of which bears N. $6^{\circ}30'$ W., 370 ft. from cor. No. 1 of the Copper # 2 lode; 8 ft. wide, running N. 42° E., 15 ft. to a $6\frac{1}{2}$ ft. high face.

Claimant Unknown

A wood-frame structure used at one time as an office and living quarters, the NE. cor. of which bears N. 66° W., 520 ft. from cor. No. 1 of the Copper # 1 lode; 12 x 40 ft. in size, the long sides bear N. 55° W.

Claimant Herein

OTHER CORNER DESCRIPTIONS
AND SUPPLEMENTAL DATA

Sur. No. 3552, Abe Lincoln lode; Cors. Nos. 1 & 4, identical with cors. Nos. 1 & 2 respectively of the Andrew Jackson lode of the same survey, are mounds of stone with the remnants of a wood-post, 4x4 ins. in size, inscribed with a barely discernable "355". Cor. No. 1 is also identical with cor. No. 2 of the Tom Jefferson lode of the same survey. Cor. No. 2 is also a mound of stones with the remnants of a wood-post inscribed with a barely discernable "35". Cor. No. 3 was not identified. Line 4-1, common with line 1-2 of the Andrew Jackson lode of the same survey, was found to be N. $38^{\circ}29'20''$ W., 600.42 ft. instead of N. $38^{\circ}33'$ W., 600.0 ft. as approved. Line 1-2 was found to be N. $51^{\circ}25'20''$ E., 1458.61 ft. instead of N. $51^{\circ}27'$ E., 1458.65 ft. as approved. Lines 2-3 and 3-4 are shown as approved.

SURVEY NO. 4620

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Sur. No. 3552, Andrew Jackson lode; Cors. Nos. 1 & 2 described above. Cors. Nos. 3 & 4 not identifiable on the ground. Line 1-2 described above. Lines 2-3, 3-4 and 4-1 are shown as approved.

Sur. No. 3552, Tom Jefferson lode; Cor. No. 2 described above. Cor. No. 3 not identifiable on the ground. Line 2-3 and line 1-2 shown as approved.

Sur. No. 3552, Woodrow Wilson lode; Cors. Nos. 1, 2, 3 & 4 not identifiable on the ground. Lines 1-2, 2-3 and 3-4 shown as approved.

Sur, No. 3552, Hughes lode; Cors. Nos. 1, 2 & 4 not identifiable on the ground. Lines 1-2 and 4-1 shown as approved.

FIELD ASSISTANT

Name	Capacity
Jack Campbell	Chainman-Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor Harvey W. Smith	Date May 5, 1964
---------------------------------------------	---------------------

I HEREBY CERTIFY That in pursuance of an order received from the Arizona State Director, at Phoenix, Arizona, dated April 15, 1964, I have carefully executed the survey of the claim of Leroy K. Smith, known as the (lode, placer, or mill site) Copper #s 1 & 2 lodes, situated in Castle Creek Mining District, Yavapai, Co., Secs 11 & 14, Township 8 N., Range 3 W., Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4620, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in the specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) Copper #s 1 & 2 lodes location(s) embraced in the said mining claim by claimant(s) or his grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. 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
(Location)

Harvey W. Smith
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

Office Bureau of Land Management - Arizona State Office
Location Phoenix, Arizona
Date June 16, 1964

The foregoing field notes of mineral survey number 4620, in Sections 11 & 14 Township 8 N., Range 3 W., Gila & Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated April 15, 1964, 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. Weller
(Authorized Signature)

State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of field notes of the above described mineral survey number is a true copy of the original field notes.

(Authorized Signature) (Title)

Title 18, U. S. C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES

May 2, 1954

Chicago, Illinois

Dr. J. R. Oppenheimer

Department of Physics

University of California, Berkeley
Berkeley, California

Dear Dr. Oppenheimer:

I have your letter of April 29, 1954, regarding the
proposal for a visit to the University of Chicago
in the summer of 1954. I am pleased to hear
that you are interested in this opportunity.

Yours sincerely,
Ernest R. Fermi

cc: Mrs. Oppenheimer

Ernest R. Fermi
Department of Physics
University of Chicago

Enclosure
100-108000

Ernest R. Fermi

Enclosure
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Ernest R. Fermi

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Ernest R. Fermi

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 4620
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Copper # 2 lode, Mineral Survey No. 4620, located in sections 11 and 14, Township 8 North, Range 3 West, Gila and Salt River Meridian, Arizona, is hereby canceled.

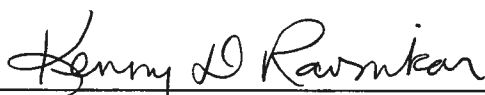
This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Copper # 2 lode, M.S. 4620, was canceled April 16, 2002, by memo 9605 (956) M.S. 4620, which is now a part of the original field notes."

April 16, 2002
Date



Chief Cadastral Surveyor of Arizona

