

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4501

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Magma Copper Company

Known As The

Blackfoot No. 2 and Blackfoot No. 3 Lodes

Pioneer Mining District,

Pinal County, Arizona

Section 25 & 30, Township 1S, Ranges 12 & 13 E.

Surveyed under order dated June 9, 1959.

by Harvey W. Smith  
Mineral Surveyor.

Claim located 6/8/12, and 10/28/16, 19

Survey commenced Sept. 22, 1959

Survey completed Sept. 28, 1959

Address of claimant Box 37, Superior, Arizona

DATES OF AMENDED LOCATIONS

None



SURVEY NO. 4501

(1)

Chains  
Feet

This survey was made with a C.L. Berger & Sons transit, No. 150545, with a horizontal limb 6 1/4 ins. diam., having two double opposite verniers and full vertical circle, 5 ins. diam.; 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 horizontal-angles-right referred to the meridian established by the following direct observation on the sun: At 9:35 AM on Sept. 25, 1959 at Cor. No. 2 of the Blackfoot No. 3 lode, latitude, 33°18'38.17"N., longitude 111°04'43.9"W., turning from a reference point about one mile northeast clockwise to the sun in an east direction.

True bearing of reference point.

N.54°24'E.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot 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 13°15'E.

SURVEY NO. 4501

BLACKFOOT NO. 2 LODE

At Cor. No. 1 of the Blackfoot No. 2 lode identical with Cor. No. 2, Sur. No. 4093, Silver Tip Extension No. 1 lode and Cor. No. 3, Sur. No. 2995, Silver Tip Extension lode.

Found a iron post, 12 ins. above ground, 2 ins. diam. with brass cap, 2 1/4 ins. diam., firmly set, properly mkd. and witnessed as described in the official record. Markings of this survey added: Presently mkd. MS 2995 4093 4501

STE 3 STE 1 2 B2 1 X; from which

The 1/4 cor. between secs. 25 and 36, T.1S., R.12E., G&S.R.B.&M. bears S.13°38'35"W. 695.28 ft. dist.; an iron post 12 ins. above ground, 1 in. diam. firmly set, properly marked and witnessed as described in the official record.

A wooden post, 4x4 ins., 30 ins. above ground set adjacent to the iron post in a mound of stones.

Thence N.2°0'33"W.

300.0 Lode line; discovery pt. bears N.88°47'30"E., 1137.97 ft. dist.

599.24 Cor. No. 2

Set a galvanized iron post, 36 ins. long 3/4 in. diam. wedged in a bedrock base, 18 ins. in the ground, with

Chains Feet	
	a brass cap, 2 ins. diam. firmly fastened to the iron post, mkd. MS 4501 B2 2 X; from which
	A wooden post, 4x4 ins. 30 ins. above ground, set adjacent to the iron post in a mound of stones.
	Thence N.88°45'37"E.
1340.0	Right bank, local drainage, 5 ft. wide, course S.10°W.
1480.94	Cor. No. 3 identical with Cor. No. 2, Blackfoot No. 3 lode of this survey.
	Set a galvanized iron post, 24 ins. long 3/4 in. diam., wedged in a bedrock base, 16 ins. in the ground, with a brass cap, 2 ins. diam. firmly fastened to the iron post, mkd. MS. 4501 B2 3 B3 2 X; from which
	A wooden post, 4x4 ins. 30 ins. above ground, set adjacent to the iron post in a mound of stones.
	Thence S.2°00'33"E.
300.03	Lode line; discovery pt. bears S.88°47'30"W., 343.0 ft. Dist.
600.03	Cor. No. 4, identical with Cor. No. 3, Sur. No.4093, Silver Tip Extension No.1 lode.
	Found an iron post, 12 ins. above ground, 2 ins. diam., with a brass cap, 2½ ins. diam., firmly set, properly marked and witnesses as described in the official record. Markings of this survey added. Presently mkd. MS 4093 STE1 3 4501 B2 4 X; from which
	A wooden post, 4x4 ins., 30 ins. above ground set adjacent to the iron post in a mound of stones.
	Cor. No. 1 Blackfoot No.3 lode identical with Cor. No. 3, Sur. No.4231, Silver Tip Extension No. 2 lode bears S. 88 47'30"W., 4.55 ft. dist.
	Thence S.88°47'30"W.
4.55	Cor. No.1, Blackfoot No. 3 lode, identical with Cor. No.3, Sur. No.4231, Silver Tip Extension No. 2 lode.
118.0	Left bank, local drainage 8 ft. wide, course S.10°E.
1480.97	Cor. No.1 and place of beginning.
	Survey No. 4501
	BLACKFOOT NO. 3 LODE
	At Cor. No. 1 of the Blackfoot No. 3 lode, identical with Cor. No. 3, Sur. No.4231, Silver Tip Extension No. 2 lode, on line 4-1, Blackfoot No.2 lode of this survey.



## SURVEY NO. 4501

(3)

Chain- Feet	
	<p>Found an iron post, 12 ins. above ground, 2 ins. diam., with a brass cap, firmly set, properly marked and witnessed as described in the official record. Markings of this survey added. Presently marked MS 4231 STE2 3 4501 B3 1 X; from which</p>
	<p>The <math>\frac{1}{2}</math> cor. between secs. 25 and 36, T.1S., R.12E., G.&amp;S.R.B.&amp;M. bears S.66° 41' 11"W., 1785.90 ft. dist. previously described.</p>
<p>Acres 282.00 282.00</p>	<p>Cor. No. 4, Blackfoot No. 2 lode of this survey, identical with Cor. No. 3, Sur. No. 4093, Silver Tip Extension No. 1 lode, bears N.88° 47' 30"E., 4.55 ft. dist.</p>
<p>180.0 000.0</p>	<p>A wooden post, 4x4 ins., 30 ins. above ground, set adjacent to the iron post in a mound of stones.</p>
	<p>Thence N. 1° 34' 30"W.</p>
<p>300.00</p>	<p>Lode line; discovery pt. bears S.87° 22' 13"E., 57.0 ft. dist.</p>
<p>600.00</p>	<p>Cor. No. 2, identical with Cor. No. 3, Blackfoot No. 2 lode of this survey; previously described.</p>
	<p>Thence S.87° 24'E.</p>
<p>1196.33</p>	<p>Cor. No. 3</p>
	<p>Set a galvanized iron post, 36 ins. long, <math>\frac{3}{4}</math> in. diam. in a rock and soil base, 24 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened to the iron post, mkd. MS 4501 B3 3 X; from which</p>
	<p>A wooden post, 4x4 ins., 30 ins. above ground, set adjacent to the iron post in a mound of stones.</p>
	<p>Thence S. 1° 34' 30"E.</p>
<p>300.81</p>	<p>Lode line; discovery pt. bears N.87° 22' 13"W., 1439.43 ft. dist.</p>
<p>601.62</p>	<p>Cor. No. 4, identical with Cor. No. 4, Sur. No. 4231, Silver Tip Extension No. 2 lode.</p>
	<p>Found an iron post, 12 ins. above ground, 2 ins. diam., with a brass cap, firmly set, properly marked and witnessed as described in the official record. Markings for this survey added. Presently mkd. MS 4231 STE2 4 4501 B3 4 X; from which</p>
	<p>A wooden post, 4x4 ins., 30 ins. above ground, set adjacent to the iron post in a mound of stones.</p>
	<p>Thence N.87° 20' 22"W.</p>

Elevations Feet	1491.97 Intersect line 3-4, Sur. No. 4093, Silver Tip Extension No. 1 lode; Cor. No. 3 bears N. 1° 07' W. 0.31 ft. dist.
1496.51	Cor. No. 1 and place of beginning.

**SURVEY NO. 4501**

**AREAS**

	Acres
Total area Blackfoot No. 2 lode	20.385
Extension No. 3	20.585
Area in conflict with Blackfoot No. 2 lode	0.031
Sur. No. 4093, Silver Tip Extension No. 1 lode	0.000

**LOCATION**

This survey is located in the SE ¼, Sec 25, T.1S., R.12E., and the SW ¼, Sec. 30, T.1S., R.13E., G.&S.R.B.&M.

The survey of the Blackfoot No. 2 and Blackfoot No. 3 lodes is identical with the respective location or amended location as marked on the ground.

Thence S. 1° 34' 30" E.

100.81 lode line; discovery pt. bears N. 87° 22' 12" W. 149.43 ft. dist.

01.67 Cor. No. 4, identical with Cor. No. 3, Sur. No. 4093, Silver Tip Extension No. 1 lode.

Found an iron post, 1 1/2 ins. above ground, 2 ins. diam., with a brass cap, firmly set, properly marked and witnessed as described in the official record. Markings for this survey added. Presently mtd. No. 431 at 1496.51 ft. from which

A wooden post, 4 1/2 ins., 30 ins. above ground, set adjacent to the iron post in a mound of stones.

Thence N. 87° 20' 22" W.





SURVEY NO. 4501

(5)

Chains-  
Feet

## 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 Blackfoot No.2 lode is on the lode line 343 ft. from a point on line 3-4, 300.03 ft. from Cor. No.3; 6x4 ft., 10 ft. deep at the face.  
Value, \$125.
- No.2 A drift, on the level which enters the Blackfoot No.2 claim at a point N.88°47'30"E., 1045 ft. dist. from Cor. No. 1 5x7 ft. in size, running N.40°E., 150 ft., thence N.75°E., 180 ft.  
Value, \$8,250.
- No.3 A series of diamond drill holes spaced along improvement No.2; Total footage drilled 445 ft.  
Value, \$2225.
- No.1 The discovery cut of the Blackfoot No.3 lode is on the lode line 57 ft. from a point on line 1-2, 300.0 ft. from Cor. No.1; 4x6 ft., 10 ft. deep at the face.  
Value, \$125.
- No.2 Two diamond drill holes, drilled from No.6 shaft on Sur. No. 4231, Silver Tip Extension No.2 lode, horizontally placed to intersect the ore body on the Blackfoot No.3 lode. Hole No.2098A enters the Blackfoot No.3 lode at a point S.87°20'22"E., 370 ft. dist. from Cor. No.1. Hole No.2560 enters the Blackfoot No.3 lode at a point S.87°20'22"E., 300.0 ft. dist. from Cor. No.1. Total footage drilled, 615 ft.  
Value, \$3075.

## OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS &  
SUPPLEMENTAL DATA

Sur. No.4093, Silver Tip Extension No.1 lode; line 2-3 was found to be S.88°47'30"W., 1480.97 ft. instead of S.88°49'W., 1480.20 ft. as approved. Line 3-4 is shown as approved.

Sur. No.4231, Silver Tip Extension No.2 lode; line 3-4 was found to be N.87°20'22"W., 1496.51 ft. instead of N.87°37'W., 1497.50 ft. as approved. Line 2-3 is shown as approved.

The Cor. of secs. 25,30,31, and 36 T.1S., Rs 12 and 13E. was not found.

## FIELD ASSISTANTS

Name  
Richard Cleveland

Capacity  
Chainman-Axeman

PROPERTY NO. 1001

Chains	EXPENDITURES	Feet
	<p>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:</p>	
	<p>No. 1 The discovery cut of the Blackfoot No. 3 lode is on the lode line 343 ft. from a point on line 3-4, 300.0 ft. from Cor. No. 3; 6x4 ft., 10 ft. deep at the face. Value, \$125.</p>	No. 1
	<p>No. 2 A drift, on the level which enters the Blackfoot No. 3 claim at a point N. 88° 47' 30" E., 1045 ft. dist. from Cor. No. 1 5x7 ft. in size, running N. 40° E., 150 ft., thence N. 75° E., 150 ft. Value, \$8,250.</p>	No. 2
	<p>No. 3 A series of diamond drill holes spaced along improvement No. 2; Total footage drilled 442 ft. Value, \$225.</p>	No. 3
	<p>No. 4 The discovery cut of the Blackfoot No. 3 lode is on the lode line 27 ft. from a point on line 1-2, 300.0 ft. from Cor. No. 1; 4x6 ft., 10 ft. deep at the face. Value, \$125.</p>	No. 4
	<p>No. 5 Two diamond drill holes, drilled from No. 5 shaft on Sur. No. 431, Silver Tip Extension No. 2 lode, horizontally placed to intersect the one body on the Blackfoot No. 3 lode. Hole No. 2098A enters the Blackfoot No. 3 lode at a point S. 87° 20' 22" E., 370 ft. dist. from Cor. No. 1. Hole No. 2098 enters the Blackfoot No. 3 lode at a point S. 87° 20' 22" E., 300.0 ft. dist. from Cor. No. 1. Total footage drilled, 615 ft. Value, \$3075.</p>	No. 5
	<p>OTHER IMPROVEMENTS None</p>	
	<p>OTHER CORNER DESCRIPTIONS &amp; SUPPLEMENTAL DATA          Sur. No. 4093, Silver Tip Extension No. 1 lode; line 2-3 was found to be S. 88° 47' 30" W., 1480.97 ft. instead of S. 88° 49' W., 1000.00 ft. as approved. Line 3-4 is shown as approved.          Sur. No. 4231, Silver Tip Extension No. 2 lode; line 3-4 was found to be N. 87° 20' 22" W., 1460.31 ft. instead of N. 87° 31' W., 1497.50 ft. as approved. Line 2-3 is shown as approved.          The Cor. of sec. 22, 30, 31, and 36 T. 18., R. 12 and 13E. was not found.</p>	
	<p>FIELD ASSISTANTS          Name          Richard Cleveland          Capacity          Chairman-Axeman</p>	



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Nov. 15, 19 59

I, Harvey W. Smith,  
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Cadastral  
Engineer, BLM., at Phoenix, Arizona  
dated June 9, 1959, I have faithfully and correctly executed the survey of  
the mining claim of Magma Copper Company,  
known as the Blackfoot No.2 and Blackfoot No.3  
(Lode, placer, or mill site)  
situate in Pioneer Mining District, Pinal County, Secs. 25 & 30,  
T. 1S., Rs. 12&13 E., G.&S.R. Meridian, Arizona, and  
(State)  
designated as Survey No. 4501, 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 its 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 March 2, 1960  
(Place) (Date)

The foregoing field notes of mineral survey No. 4501, in Pioneer Mining District  
Section 30 1 South 13 East  
Section 25 1 South, T. 1 South, R. 12 East, Gila & Salt River Meridian,  
Arizona, executed by Harvey W. Smith, Mineral Surveyor,  
(State)

under order dated June 9, 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)

