

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4506

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

PHELPS DODGE CORPORATION

Known As The

SCHEMMER FRACTION LODE

Copper Basin

Mining District,

Yavapai

County,

Arizona

Sections 20 & 21, Township 13 North, Range 3 West

Surveyed under order dated July 16th, 1959

by Robert Lenon  
Mineral Surveyor.

Claim located May 1, 1942

Survey commenced July 24, 1959

Survey completed July 26, 1959

Address of claimant Phelps Dodge Corporation  
c/o Harry E. Metz, Agent  
Bisbee, Arizona

DATES OF AMENDED LOCATIONS

None

THE HISTORY OF THE

REIGN OF

CHARLES

THE SECOND

BY

JOHN

WELLES

ESQ.

OF

THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

THE SECOND VOLUME

LONDON

1724

Printed by

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Observer

This survey was made with a Bausch and Lomb Precise Transit, No. 9259, with horizontal limb  $5\frac{1}{2}$  ins. diam., having two single opposite verniers, and full vertical circle  $4\frac{1}{4}$  ins. diam., having two double opposite verniers, all verniers reading to one minute of arc; the eyepiece is equipped with a colored glass set in the dust shutter for making direct observations upon 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 double horizontal angles referred to the meridian determined by the following observations:

July 25, 1959, at Cor. No. 3 of the Schemmer Fraction lode, in latitude  $34^{\circ} 29' 30''$  North and longitude  $112^{\circ} 35'$  West, I make a series of four altitude observations upon the sun for azimuth at approximately equal time intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from a point on line 2-3, about 800 ft. southwestwardly, southeastwardly to the sun.

Mean time of observation

105th meridian standard time:  $9^h 12^m$  a.m.  $9^h 17^m$  a.m.

Declination of sun at mean time

of observation:  $19^{\circ} 43' 30''$  N.

Mean observed vertical angles

to sun's center:  $43^{\circ} 24'$   $43^{\circ} 54'$

Mean horizontal angles from ref-

erence point to sun's center:  $247^{\circ} 08' 30''$   $247^{\circ} 32' 30''$

True bearing to reference point: S.  $27^{\circ} 47'$  W.

The lines were measured with a Lufkin steel tape, 500 ft. in length, graduated every foot, with the end feet graduated to tenths and hundredths, and a Chicago steel tape, 300 ft. in length, graduated every foot, with the end feet graduated to tenths; both tapes were compared with a Lufkin standard at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse methods, as shown by the traverse sheets herewith submitted; the tie to the section corner was triangulated.

The magnetic declination observed at each corner of the survey gave a uniform value of  $14^{\circ} 00'$  E.

SCHEMMER FRACTION LODE

At Cor. No. 1 of the Schemmer Fraction lode.

Set an iron pipe, 3 ft. long,  $1\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd. SF-1-4506, stone mound surrounding same; from which

The Cor. of Secs. 20, 21, 28 and 29, T. 13 N., R. 3 W., G&SRM, bears S.  $43^{\circ} 10'$  E., 853.4 ft. dist.; an iron pipe, 2 ins. diam., 12 ins. above ground, firmly set and properly marked.

Feet	Description
	Cor. No. 6, Sur. No. 470, Blue Jay lode, identical with Cor. No. 5, Sur. No. 482, Pine Hollow lode, bears N. 13° 25' 30" E., 596.86 ft. dist.
	Cor. No. 4, Sur. No. 3425, Allegheny lode, identical with Cor. No. 5, Sur. No. 484, Valley Forge lode, bears N. 11° 56' E., 536.60 ft. dist.
	Cor. No. 6, Sur. No. 485, Chicago lode, bears N. 7° 07' 30" E., 292.62 ft. dist.
	Thence N. 62° 13' W.
134.09	Intersect line 3-4, Sur. No. 3425, Allegheny lode at a point from which Cor. No. 4 bears N. 26° 24' E., 516.35 ft. dist.
180.00	Left bank Copper Basin Wash, 50 ft. wide, course S. 70° W.
190.00	Lode line; discovery point bears N. 27° 47' E., 285 ft. dist.
230.00	Right bank Copper Basin Wash.
370.00	Cor. No. 2.
	Set an iron pipe, 3 ft. long, 1½ ins. diam., 24 ins. in the ground, with brass cap mkd. SF-2-4506; from which
	Cor. No. 3, Sur. No. 482, Pine Hollow lode, bears S. 74° 40' E., 125.62 ft. dist.
	Cor. No. 2, Sur. No. 485, Chicago lode, bears N. 78° 03' W., 224.37 ft. dist.
	A corner of the location bears N. 62° 13' W., 30.00 ft. dist.
	Thence N. 27° 47' E.
49.19	Intersect line 2-3, Sur. No. 482, Pine Hollow lode at a point from which Cor. No. 3 bears S. 52° 00' E., 124.64 ft. dist.
88.63	Intersect line 6-2, Sur. No. 485, Chicago lode at a point from which Cor. No. 6 bears N. 83° 01' E., 324.73 ft. dist.
618.20	Intersect line 5-6, Sur. No. 470, Blue Jay lode, identical with line 5-6, Sur. No. 482, Pine Hollow lode at a point from which Cors. Nos. 6 and 5 bear S. 52° 00' E., 225.57 ft. dist.
1060.00	Road, 20 ft. wide, bears S. 60° W. and N. 80° E.
1161.05	Intersect line 1-3, Sur. No. 483, Copper Nugget lode at a point from which Cor. No. 3 bears N. 80° 42' W., 106.85 ft. dist.
1212.81	Intersect line 2-3, Sur. No. 470, Blue Jay lode at a point from which Cor. No. 2 bears S. 52° 00' E., 331.04 ft. dist.
1250.00	Road, 20 ft. wide, bears North-South.
1320.00	Cor. No. 3.
	Set an iron pipe, 3 ft. long, 1½ ins. in diam., 24 ins. in the ground, with brass cap mkd. SF-3-4506; from which
	Cor. No. 3, Sur. No. 483, Copper Nugget lode, bears S. 55° 30' W., 217.87 ft. dist.



SURVEY NO. 4506

XXXXX  
Chains  
Feet

A corner of the location bears N. 62° 13' W., 30.0 ft. dist.

Thence S. 62° 13' E.

180.00 Lode line; discovery point bears S. 27° 47' W., 1035 ft. dist.

204.86 Intersect line 5-6, Sur. No. 484, Valley Forge lode at a point from which Cor. No. 5 bears S. 26° 27' 30" W., 804.01 ft. dist.

340.00 Witness Corner for Cor. No. 4.

Set an iron pipe, 3 ft. long, 1½ ins. in diam., 24 ins. in the ground, with brass cap mkd. WC-SF-4-4506, stone mound surrounding same.

352.00 Right bank Copper Basin Wash.

370.00 Cor. No. 4

Set a temporary stake, from which Cor. No. 1, Sur. No. 483, Copper Nugget lode, bears S. 60° 41' 30" E., 197.73 ft. dist.

This corner-falls near the center of copper Basin Wash, 40 ft. wide, course S. 28° W., where a monument cannot be established.

Cor. No. 2, Sur. No. 470, Blue Jay lode, bears S. 42° 43' W., 171.70 ft. dist.

Thence S. 27° 47' W.

35.25 Intersect line 1-3, Sur. No. 483, Copper Nugget lode, at a point from which Cor. No. 1 bears S. 80° 42' E., 103.00 ft. dist.

390.00 Road, 20 ft. wide, bears East-West.

720.00 Leave Copper Basin Wash on left bank, 60 ft. wide, course S. 30° W.

799.46 Intersect line 3-5, Sur. No. 484, Valley Forge lode, identical with line 4-1, Sur. No. 3425, Allegheny lode, at a point from which Cors. Nos. 5 and 4 bear N. 63° 55' W., 146.62 ft. dist.

1197.66 Intersect line 5-6, Sur. No. 485, Chicago lode, at a point from which Cor. No. 6 bears N. 6° 30' W., 183.30 ft. dist.

1320.00 Cor. No. 1, and place of beginning.

SURVEY NO. 4506

AREAS.

Acres

Fraction

Total area, Schemmer/lode 11.212

Area in conflict with--

Sur. No. 470, Blue Jay lode 3.739

Sur. No. 482, Pine Hollow lode 2.251

Sur. No. 483, Copper Nugget lode 0.825

Sur. No. 483, Copper Nugget lode, exclusive of its conflict with Sur. No. 470, Blue Jay lode 0.766

Sur. No. 484, Valley Forge lode 2.868

Sur. No. 484, Valley Forge lode, exclusive of its conflict with:

(1) Sur. No. 470, Blue Jay lode 2.065

(2) Sur. No. 483, Copper Nugget lode 2.632

(3) Sur. No. 470 and No. 483, Blue Jay lode and Copper Nugget lode 1.829

Chains	Acres
Sur. No. 485, Chicago lode	1.579
Sur. No. 485, Chicago lode, exclusive of its conflict with Sur. No. 482, Pine Hollow lode	1.266
Sur. No. 3425, Allegheny lode	1.670
Sur. No. 3425, Allegheny lode, exclusive of its conflict with Sur. No. 485, Chicago lode	1.997
<u>LOCATION</u>	
This survey is located in the SE $\frac{1}{4}$ Sec. 20 and SW $\frac{1}{4}$ Sec. 21, T. 13 N., R. 3 W., G&SRM, Arizona.	
The survey is wholly within the location as marked on the ground; Cors. Nos. 1 and 4 are identical with the corners of the location; Cors. 2 and 3 differ to the extent previously shown.	
<u>EXPENDITURES</u>	
No. 1	The discovery cut of the Schenker (Fraction) lode, the center of which being the discovery point, is on the lode line 285.0 ft. from line 1-2, 5 ft. wide, runs N. 65° W., 25 ft. to 110-foot face. Value, \$200.
No. 2	A diamond drill hole, 1 $\frac{1}{2}$ ins. diam., the center of which bears S. 27° 45' E., 215 ft. from Cor. No. 3; drilled vertically, 188 ft. in depth. Value, \$500.
<u>OTHER IMPROVEMENTS</u>	
A cut, 8 ft. wide, the face of which bears N. 30° E., 80 ft. from Cor. No. 2, runs N. 45° W., 15 ft. to 8-foot face. Claimant unknown.	
<u>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</u>	
Sur. No. 470, Blue Jay lode: Cors. Nos. 3 and 6 are old stone mounds; Cor. No. 2 is a newer stone mound, scattered. Line 2-3 was found to bear N. 52° 00' W., as approved; line 6-2 was found to be N. 38° 00' E., 585.19 ft., instead of N. 38° 00' E., 600.0 ft., as approved. Line 5-6 is shown as approved.	
Sur. No. 482, Pine Hollow lode: Cors. Nos. 3 and 5 are old stone mounds. Line 3-5 was found to be N. 38° 00' E., 560.0 ft., instead of N. 38° 00' E., 600.0 ft., as approved. Lines 2-3 and 5-6 are shown as approved.	
Sur. No. 483, Copper Nugget lode: Cor. No. 1 is an iron pipe set in an old stone mound; Cor. No. 3 is an old stone mound in which I set a wooden stake. Line 1-3 was found to be N. 80° 42' W., 600.0 ft., instead of N. 81° 00' W., 600.0 ft., as approved.	
Sur. No. 484, Valley Forge lode: Cor. No. 5 is a stone, firmly set and properly marked; Cor. No. 6 is a stone mound. Line 5-6 was found to bear N. 26° 27' 30" E., instead of N. 26° 45' E., as approved, and was found to run directly through Cors. Nos. 6 and 5, Sur. Nos. 470 and 482, Blue Jay and Pine Hollow lodes at a distance of 62.00 ft. from Cor. No. 5 of said Valley Forge lode. Line 3-5 is identical with line 4-1, Sur. No. 3425, Allegheny lode.	
Sur. No. 485, Chicago lode: Cor. No. 2 is an oak stump; Cor. No. 6 is an iron pin in a stone mound. Line 6-2 was found to be S. 83° 01' W., 587.5 ft. instead of S. 83° 30' W., 600.0 ft., as approved. Line 5-6 is shown as approved.	



SURVEY NO. 4506

5

Chains

united)

Sur. No. 511, Blue Border lode: Cor. No. 3 (an oak tree) was not seen; it was probably obliterated by road work.

Sur. No. 3425, Allegheny lode: Cor. No. 4 is a stone, firmly set and properly marked. Lines 3-4 and 4-1 are shown as approved.

FIELD ASSISTANTS

Name	Capacity
James A. Yanez	Instrumentman
Frank M. Vasquez	Chainman
Jose D. Alvarez	Chainman

UNITED STATES

Chains

... (mirrored text) ...

... (mirrored text) ...

ITEMS ASSIGNED

Name	Capacity
James A. ...	...
...	...
...	...



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

September 19, 19 59

I, ROBERT LENON,

Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_

Office Cadastral Engineer, at PHOENIX, Arizona

dated July 16th, 1959, I have faithfully and correctly executed the survey of

the mining claim of PHELPS DODGE CORPORATION,

known as the Schemmer Fraction lode  
(Lode, placer, or mill site)

situate in Sections 20 & 21

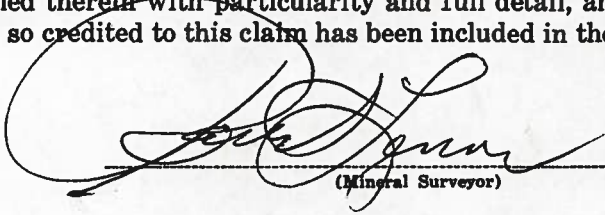
T. 13 N., R. 3 W., G & S R B & Meridian, Arizona, and  
(State)

designated as Survey No. 4506, 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.

Patagonia, Arizona  
(Place)

  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office  
(Office)

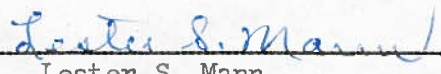
Phoenix, Arizona December 2, 19 59  
(Place) (Date)

The foregoing field notes of mineral survey No. 4506, in \_\_\_\_\_

Sections 20 and 21, T. 13 North, R. 3 West, Gila & Salt River Meridian,

Arizona, executed by Robert Lenon, Mineral Surveyor,  
(State)

under order dated July 16, 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  
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.

