

Oct. 17, 1931
Feb. 24, '39
Sept. 27, '39

4-688

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MINERAL SURVEY No. 4217

ARIZONA Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

PHELPS DODGE CORPORATION

KNOWN AS THE

SUCKER LODGE

VERDE Mining District,

YAVAPAI County, ARIZONA.

Section 28 unsur., Township 16 N., Range 2 E.

Surveyed under instructions dated July 18, 1938.

By J. WILLIAM WAARA
U.S. Mineral Surveyor, G.L.O.

Claim located August 14, 1920

Survey commenced Aug. 21, 1938

Survey completed Sept. 30, 1938

Address of claimant Ellinwood & Ross, Attorneys for claimant
Title & Trust Building, Phoenix Arizona.

DATES OF AMENDED LOCATIONS

July 14, 1938

Mineral Survey No. 4217 was made with a Tietz Light Mountain transit No. 19503 Model No. 9 with horizontal limb 5 inches in diameter having double opposite verniers and full vertical circle 5 inches in diameter, having double opposite verniers; the horizontal verniers reading to thirty seconds of arc, and the vertical verniers reading to one minute of arc; the eye piece is fitted to receive a prismatic eyepiece suitable for making direct observations upon the sun. This instrument is also equipped with a Saegmuller Solar attachment for making observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order. Altitude observations of the sun for azimuth, and at noon on the meridian for latitude were made, the details of which observations are shown in the calculations sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses. The lines were measured with a 1/8 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 $14^{\circ}-50' E$.

SUCKER LODGE
Beginning at Cor. No. 1 of the Sucker lode, located on line 3-4 Red Jacket lode Sur. No. 1271, where I set a concrete monument 30 inches long formed by pouring a concrete footing 18 inches in depth with a cylindrical exposed top 8 inches in diameter, fitted with a two inch iron pipe cap and reducer holding a brass plate marked S 1 4217 with its center for exact corner point, whence,

The West $\frac{1}{4}$ section corner section 26 T.16 N.R.2 E of the Gila and Salt River Meridian brs. S.85°-53'E. 5565.8 feet.

A porphyry reef 3xlxl foot exposed and chiseled BxR S 1 4217 brs. N.50°-48'W. 31.86 feet.

Cor. No.2 Enchanter No.2 lode, Sur. No. 2809, and identical with Cor. No.1 Triangle lode Sur. No. 3075 brs. N.26°-14'W. 337.35 feet.

Cor. No.3 Red Jacket lode, Sur. No. 1271, brs. N.25°-43'W. 1243.19 feet.

Cor. No.4 Red Jacket lode, Sur. No. 1271, identical with Cor. No.2 Triangle lode, Sur. No. 3075, brs. S.25°-43'E. 244.5 feet.

Cor. No.3 Enchanter No.2 lode identical with Cor.No.1 Enchanter No.1 lode, both Sur.No.2809, brs. N.67°-37'-30"W. 1021.4 feet.

Thence N.68°-01'W.

1.92 Intersect line 1-2 Triangle lode, Sur.No. 3075, at a point ^{feet} S.26°-01'E. 335.98/ from Cor. No.1.

1027.00 Intersect line 1-2 Enchanter No.1 lode, Sur.No.2809, at a point S.61°-03'W. 9.1 feet from Cor. No.1 and 2.8 feet from its intersection with line 1-4 Triangle lode, Sur.No. 3075, at a point N.84°-04'-30"W. 805.26 feet from Cor. No. 1 said Triangle lode.

1032.79 Intersect line 1-4 Triangle lode, Sur. No. 3075, N.84°-04'-30"W. 813.12 feet from Cor. No.1 and 7.86 feet from its intersection with line 1-2 Enchanter No.1 lode.

1086.48 Intersect line 1-6 Enchanter No.1 lode identical with line 3-4 Enchanter No.2 lode, both Sur. No. 2809, at a point from which corner Nos. 1 and 3 respectively bear S.74°-12'E. 65.60 feet. Cor. No.2 said Enchanter No.2 lode brs. S. 83° 49' 1 800.10 ft. from Cor. No.3 thereof.

1499.3 COR. NO.2 This corner fell at the edge of a mountain-side water course where it was impracticable to set a permanent concrete monument for a corner; from this corner I established a witness corner N.24°-05'W. 3.2 feet, as follows;

Set a concrete monument 30 inches long formed by pouring

a concrete footing 18 inches in depth with a cylindrical exposed top eight inches in diameter, fitted with a two inch iron pipe cap and reducer holding a brass plate marked W C S 2 4217 with its center for exact corner point, whence

A limestone reef 4x4x2 feet exposed and chiseled BxR S 2 4217 hrs. S.18°-49'E. 10.45 feet from W.C.

No other bearings available.

Thence N.24°-05'W.(from true cor.pt.)

3.2 Witness corner to Cor. No.2 of this lode, heretofore described.

431.5 WEST CENTER END, built a substantial mound of stone.

445.0 Cross Walnut Creek at its intersection with its north branch, flows southeasterly; 20 feet wide.

547.0 Intersect line 5-1 Enchanter No.2 lode, Sur. No. 2809, N.83°-36'W. 1173.4 feet from Cor. No.1; 621.12 feet from its intersection with line 3-4 Virginia lode, Sur.No. 2463; 580.8 feet from its intersection with line 4-1 Vernon lode Sur.No. 2463 identical with line 4-1 Harry J lode Sur.No. 3693; 123.4 feet from its intersection with line 3-4 Vernon lode, Sur. No. 2463, identical with line 3-4 Harry J lode Sur. No. 3693.

739.14 Intersect southwest corner of Tract "A" Springview-lode unsurveyed whence southeast corner of said tract "A" bears S.67°-59'E. -190.73-feet.

770.0 Intersect State Highway, hrs. northwest to southeast.

847.3 COR. NO.3

Identical with northwest corner Tract "A"

This corner falls on the slope of the highway excavation where it was impossible to set a permanent corner; from this corner I established a witness corner S 67°-59'E. 37.8 feet, as follows;

Set a concrete monument 30 inches long formed by pouring a concrete footing 18 inches in depth with cylindrical top exposed eight inches in diameter, fitted with a two inch iron pipe cap and reducer holding a brass plate

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marked W C S 3 4217 with its center for exact corner point, whence,

A limestone reef 4x3x1 foot exposed and chiseled BXR S 3 4217 brs. N.2°-16'W. 36.40 feet. from W.C.

Cor.No.3 Vernon lode Sur.No. 2463 identical with Cor. No.3 Harry J Lode Sur.No. 3693 brs. S.89°-22'-30"E. 186.34 ft. from true corner point.

Cor No.5 Enchanter No.2 lode Sur. No. 2809 brs. S.40°-13'W. 311.5 feet from true Cor. pt.

hence S.67°-59'E.(from true cor.pt.)

- 37.8 Witness corner to Cor. No.3 previously described.
- 218.74 Northeast corner of Tract A, and Intersect line 3-4 Vernon lode Sur. No. 2463 identical with line 3-4 Harry J lode Sur. No. 3693 N.11°-38'W. 619.75 feet from corner Nos4 respectively;&210.15 feet from its intersection with line 5-1 Enchanter No.2 lode, Sur. No. 2809.
- 700.0 Intersect State Highway, brs west to east.
- 799.6 Intersect line 4-1 Vernon lode Sur. No. 2463, identical with ~~line 2-2 Virginia lode Sur. No. 2463~~, and line 4-1 Harry J lode Sur. No. 3693, N.46°-43'-30"E. 567.9 feet from Cor. Nos 4 of Vernon lode ~~Sur.No.2463~~ and Harry J lode ~~Sur.No.3693~~; &57.0 feet from its intersection with line 5-1 Enchanter No.2 lode Sur.No. 2809; Also intersect line 2-3 Virginia lode, Sur. No. 2463, N. 46° 43' 30" E. 12.1 ft. from Cor. No. 3.
- 960.6 Intersect line 5-1 Enchanter No.2 lode Sur. No. 2809 N.83°-36'W. 400.55 feet from Cor. No.1.
- 1410.8 Intersect line 1-4 Virginia lode Sur. No. 2463, N.46°-39'E. 607.96 feet from Cor. No.4, whence Cor. No.3 of said lode bears N.11°-49'W. 652.26 feet, and intersection ^{of} line 4-3 ~~Virginia lode Sur.No.2463~~ with line 5-1 Enchanter No.2 lode, Sur. No. 2809, brs N.11°-49'W. 616.23 feet.
- 1463.98 Intersect line 1-2 Enchanter No.2 lode Sur.No. 2809 S.25°-30'E. 159.73 feet from Cor. No.1 and N.25°-30'W. 535.57 feet from Cor. No.2; 465.03 feet from its intersection with line 1-2 Eureka Millsite Sur.No.281, whence Cor. No.1 of

619.75
409.6
210.1

567.9
510.9
57

799.6
161
960.6
400.55
421.6
159.73
1173.4

- said millsite brs. N.72°-02'W. 294.04 feet & 59.21 feet from its intersection with line 1-4 Eureka Millsite Sur. No. ~~281.~~
- 1464.88 Intersect line 3-4 Red Jacket lode Sur. No. 1271, S.25°-43'E. 370.92 feet from Cor. No.3; 160.39 feet from Cor. No.1 Enchanter No.2 lode, Sur.No. 2809, ~~and~~ N.25°-43'W. which is on said line 3-4 Red Jacket 466.67 feet from its intersection with line 1-2 Eureka Millsite Sur. No. 281 & 57.77 feet from its intersection with line 1-4 Eureka Millsite Sur. No. ~~281.~~
- 1501.5 COR. NO.4
- Set a concrete monument 30 inches long formed by pouring a concrete footing 18 inches in depth with cylindrical exposed top eight inches in diameter, fitted with a two inch iron pipe cap and reducer holding a brass plate marked S 4 4217 with its center for exact corner point whence,
- A limestone reef 3x4x1 foot exposed and chiseled BxR S 4 4217 brs. N.17°-02'E. 17.35 feet.
- Cor. No.1 Enchanter No.2 lode Sur.No. 2809 brs. N.33°-12'W. 189.1 feet.
- Cor. No.4 Eureka Millsite Sur. No. 281 brs. N.22°-56'E. 146.8 feet.
- Cor. No. 4 Virginia lode Sur.No. 2463 brs. S.53°-55'-30" W. 651 feet.
- Cor. No.3 Virginia lode Sur.No.2463 brs. N.68° 53' W 709.68 feet.
- From Cor. No.1 Enchanter No,2 lode Sur. No. 2809, Cor No. 4 Eureka Millsite, Sur.No. 281 brs. S.81°-51'-30"E. 162.40 feet.
- Thence S.24°-05'E.
- 7.56 Intersect line 4-1 Eureka Millsite Sur.No. 281, N.20°-51'E. 329.74 feet from Cor. No.1; 34.80 feet from its intersection with line 1-2 Enchanter No.2 lode Sur. No. 2809; 33.66 feet from its intersection with line 3-4 Red Jacket lode Sur. No. 1271.
- 20.00 Cross Walnut Creek, flows southeasterly; 20 feet wide.
- 413.8 EAST CENTER END, built a substantial mound of stone.

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451.05 Intersect line 1-2 Eureka Millsite Sur. No. 281, S.72°-02'E.
313.63 feet from Cor. No. 1 ; 19.59 feet from its intersection
with line 1-2 Enchanter No.2 lode, Sur. No. 2809 & 16.32 feet
from its intersection with line 3-4 Red Jacket lode Sur. No.
1271.

845.6 COR. NO.1 and place of beginning.

LODE LINE

The presumed course of the vein of the location
embraced in this survey, counted from the respective point
of discovery, is as follows;

Sucker lode

N.68°-00'-30"W. 1479.6 feet and S.68°-00'-30"E. 20.3
feet.

AREA.

Sucker lode, total area,	20.222 Acres
Area in conflict with:	
Sur.No.281, Eureka Millsite,	1.186
Sur.No.281, Eureka Millsite, exclusive of its conflict with Sur.No.1271,Red Jacket lode,	1.009
Sur.No.1271, Red Jacket lode,	.247
Sur. No. 2463, Vernon lode,	3.440
Sur. No. 2463, Virginia lode,	3.955
Sur. No. 3693, Harry J. lode,	3.440
Sur. No. 3693, Harry J. lode, exclusive of its conflict with Sur. No. 2463, Vernon lode,	.000
Sur. No. 2809, Enchanter No.1 lode,	.005
Sur. No. 2809, Enchanter No.2 lode,	14.945
Sur. No. 2809, Enchanter No.2 lode, exclusive of its conflict with;	
Sur. No. 281, Eureka Millsite,	13.951
Sur. No. 2463, Virginia lode,	11.070
Sur. No. 3693, Harry J. lode, (identical with Sur.No.2463 Vernon lode),	12.900
Sur. No. 3075, Triangle lode,	2.661
Sur. No. 3075, Triangle lode, exclusive of its conflict with Sur. No. 2809, Enchanter No.1 lode, (nominal),	2.661
Tract "A".	.353

lode, ~~unsurveyed~~, Phelps Dodge Corporation, claimant, which area may be excluded when patent is applied for, and is described as follows;

Beginning at Cor. No.3 Sucker lode, thence S.67°-59'E. 218.74 feet to intersection with line 3-4 Harry J lode Sur.No. 3693; thence S.11°-38'E. 90.1 feet to a point on line 3-4 Harry J Lode; thence N.67°-59'W. 190.73 feet to a point on line 2-3 Sucker lode of this survey; thence N.24°-05'W. 108.16 feet to the place of beginning. Tract "A" contains 0.353 acres.

90.1
579.65
619.75

LOCATION

This survey is located in the Northeast 1/4 Sec.28 uns. T.16 N.R.2 E of the Gila and Salt River Meridian, in the Prescott National Forest, Yavapai County, State of Arizona.

The survey of the Sucker lode is identical with the amended location as marked upon the ground.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of the lode location embraced in said mining claim by the claimant or his grantors is not less than five hundred dollars, and that said improvements consists of;

SUCKER LODGE

No.1 The discovery cut of the Sucker lode, the center of the face of which is on the lode line and bears N.68°-00'-30"W 20.3 feet from the east center end, cut 4x30x10 foot face, brs. southeast. Value \$200.00

No.2 A shaft 6x6x20 feet deep, with a Diamond Drill hole 47 feet deep sunk from the center of the bottom of said shaft, the center of which brs. S.14°-40'E. 83.2 feet from Cor. No.4 Value, shaft \$200.00 Drill hole 164.50

To be accredited to this lode is an undivided 1/2 interest in improvement No.2, the other 1/2 interest being accredited to the Red Jacket lode Survey No. 1271.

		Value 1/2 int.	\$182.25
No.3	A diamond drill hole 115 feet deep, which brs. N.23°-44'W. 177.7 feet from Cor. No.2		
		Value	\$402.50
	To be accredited to this lode is an equal undivided 1/2 interest in Improvement No.3, the other 1/2 interest being accredited to the Enchanter No.2 lode, Survey No. 2809.		
		Value 1/2 int.	\$201.25
No.4	A diamond drill hole 32 feet deep, which brs. N.1 -45'E. 220.0 feet from Cor. No.2.		
		Value	\$112.00
	To be accredited to this lode is an equal undivided 1/2 interest in Improvement No.4, the other 1/2 interest being accredited to the Enchanter No.2 lode, Survey No. 2809.		
		Value 1/2 int.	\$56.00
No.5	A diamond drill hole 75 feet deep, which brs. N.36°-45'W. 610 feet from Cor. No.1		
		Value	\$262.50

COMMON IMPROVEMENTS

Improvements No.3 and 4 consist of diamond drill holes sunk within the boundaries of the Enchanter No.2 lode Sur. No. 2809 and Sucker lode of this survey. I have considered the drill holes as "Common Improvements" redounding to the benefit of both lodes, and as such apportioned the value of said improvements equally between the respective lodes. The two lodes are owned by the claimant herein.

Improvement No.2 consists of a shaft and diamond drill hole within the boundaries of the Red Jacket lode Sur. No. 1271, and Sucker lode of this survey. I have considered the shaft and drill hole as a "Common Improvement" redounding to the benefit of both lodes and as such accredited the value of said improvement equally between the respective lodes. The two lodes are owned by the claimant herein.

OTHER IMPROVEMENTS

NONE.

OTHER CORNER DESCRIPTIONS

to which this survey is tied
The corner of the Public Land Survey is a pipe with cap properly set and marked as called for in the field notes of the Public land Survey.

Mineral Survey No. 281, Eureka Millsite.

The corners of this survey have been replaced by concrete monuments set by employees of the owner, as described hereafter; An excavation 15 inches square and 18 inches deep was made at the locus of the original corner. This excavation was filled with concrete and a cylindrical top 12 inches high and 8 to 10 inches in diameter was cast over the footing. A pipe was inserted in the concrete top and fitted with a two inch cap and reducer holding a brass plate marked with the proper designation of the corner, with its center at the locus of the original corner. Line 1-2 was found to be S.72°-02'E. 487.54 feet instead of S.71°E. 472 feet. Line 4-1 was found to be S.20°-51'W. 481.79 feet instead of S.19°W.461.44 feet.

Mineral Survey No. 1271, Red Jacket lode.

The corners of this survey have been replaced by concrete monuments, identical in description with ^{the} concrete monuments described heretofore. Line 3-4 was found to be S.25°-43'E. 1487.69 feet instead of S.25°-42'E. 1500 ft.

Mineral Survey No. 2463, Virginia and Vernon lodes.

The corners of this survey are stones properly set and chiseled with number of the corner and survey, except ^{and} Cor.No.4 Vernon, Cor. No.4 Virginia which are missing. I was able to determine the locus of the latter corners from the calls of bearing rocks in the official record for said corners. Line 3-4 Vernon lode was found to be S.11°-38'E. 701.4 feet instead of S.11°-27'E.704.0 feet. Line 4-1 Vernon was found to be N.46°-43'-30"E. instead of N.46°-39'E. Line 3-4 Virginia lode was found to be S.11°-49'E. 652.26 feet, instead of S.11°-27'E.652.0 feet.

Mineral Survey No. 2809, Enchanter No.1 and Enchanter No.2 lodes.

The original corners of this survey have been replaced by concrete monuments identical in description with concrete monuments described above. Cor. No. 2 Enchanter No.2 lode has been re-established from call of bearing rock in the

Official record for said corner. Line 1-2 was found to be S.25°-30'E. 695.3 feet instead of S.25°-42'E. 697.42 ft. Line 2-3 Enchanter No.2 lode was found to be N.83°-49'W. 800.1 feet instead of N.83°-42'W. 802.45 ft. Line 5-1 was found to be S.83°-36'E. 1499.1 instead of S.83°-42'E. 1500 feet. Line 1-2 Enchanter No.1 lode was found to be S.61°-03'W. instead of S.61°-00'W.

Mineral Survey No. 3075, Triangle lode.

Corners No. 1-2-4 Triangle lode of this survey are missing. Corner Nos.1 and 2 have been re-established as corners identical with Cor. No.2 Enchanter No.2 lode/and Cor. No.4 Red Jacket lodes/respectively, and are concrete monuments similar to those heretofore described. Cor. No.4 has been re-established from the call of bearing rock in the official record for said corner. On the basis of the above re-established corners, line 1-2 was found to be S.26°-01'E. 581.9 feet instead of S.25°-44'E. 574.1 feet. Line 4-1 was found to be N.84°-04'-30"W. 1494.8 feet instead of N.83°-49'W. 1497.11 feet.

Mineral Survey No. 3693(identical with Sur.No.2463), Harry J lode.

The corners of this survey are stones properly set and chiseled with number of the corner and survey except Cor. No.4 Harry J lode which was missing. I was able to determine the locus of the latter corner from the calls of bearing rock in the official record for said corner. Line 3-4 Harry J lode was found to be N.11°-38'W. 701.4 feet instead of N.11°-33'W. 701.4 feet. Line 4-1 was found to be N.46°-43'-30"E. instead of N.46°-48'-30"E. Owing to absence of the Cor.to sections 22-23-26-27, and not having retraced the section line/to the west 1/4 corner of 26, the apparent closing error through the Harry J lode Sur.No. 3693 tie, the section line and the tie of this survey cannot be verified.

Mineral Survey No. 4217, Sucker lode.

The concrete corners of this survey may be more

clearly described as being identical in construction with corners of Sur. No. 281 above described.

The discrepancies found existing between the claim as marked by the location monuments and as described in the location notices are due to errors in the location notices.

REPORT

Owing to the distance from the nearest Notary Public and the expense and delay which would be involved for my assistant to appear before one, I took the
/ acknowledgment of my assistant in my capacity as a Mineral Surveyor.

William W. W. W.
Mineral Surveyor G.L.O.

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by J. William Waara

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of _____

Phelps Dodge Corporation

known as the Sucker lode

and showing the respective capacities in which they acted.

Leland C. Chapman _____, *Chainman.*

_____, *Chainman.*

_____, *Acman.*

_____, *Flagman.*

FINAL OATHS OF ASSISTANTS

We, Leland C Chapman

and _____, do solemnly swear that we assisted J. William Waara

_____, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Phelps Dodge Corporation

known as the Sucker lode

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the Office Cadastral Engineer, at Phoenix Arizona.

Leland C Chapman _____, *Chainman.*

_____, *Chainman.*

_____, *Acman.*

_____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 14

day of October, 19 35

J. William Waara
-J. William Waara
Mineral Surveyor G.L.O.

FINAL OATH OF ~~MINERAL~~ MINERAL SURVEYOR

I, J. William Waara, ~~xxxx~~ Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix Arizona., dated July 18, 1938,
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 _____
Phelps Dodge Corporation, known as the
Sucker lode,
situate in Verde Mining District,
Yavapai County, Arizona., in Section
28 unsur., Township No. 16 N., Range No. 2 E.
and designated as Survey No. 4217, 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 in-
cluded in the estimate of expenditures upon any other claim.

J. William Waara
(~~xxxx~~ Mineral Surveyor) G.L.O.

Subscribed and sworn to by the said J. William Waara

~~xxxx~~ Mineral Surveyor, before me a Notary Public

this 26. th.

day of September, 1939

F. C. Bauer

My commission expires.

Notary Public

1/10/41

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

United States
Department of the Interior
GENERAL LAND OFFICE
PUBLIC SURVEY OFFICE

Phoenix, Arizona

December 15, 1939

I, Office Cadastral Engineer at Phoenix, Arizona
do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey
of the mining claim of

Phelps Dodge Corporation

known as the SUCKER Lode

situate in Verde

Mining District Yavapai County Arizona

in Section 28 Unsur Township No. 16 N, Range No. 2 E, and

designated as Survey No. 4217, has been correctly copied from the originals on file in
this office; that said Field Notes furnish such an accurate description of said mining claim as will, if
incorporated into a patent, serve fully to identify the premises, and that such reference is made therein
to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements
made upon, or for the benefit of, each location embraced in said mining claim by claimant
or its grantors,
and that said improvements consist of 1 cut, 1 shaft, and 4 diamond drill holes,
total value \$1,341.50, of which \$439.50 is accredited to other claims.

and that no portion of said labor or improvements has been included in the estimate of expenditures
upon any other claim.

I further certify that the plat thereof, filed in the District Land Office at Phoenix,
Arizona is correct and in conformity with the foregoing Field Notes.

Sherman C. Fiske
Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

At Phoenix, Arizona

December 15, 1939

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

Phelps Dodge Corporation

, known as the

SUCKER Lode

situate in Verde mining district,

Yavapai County, Arizona

in Section 28 Unsur., Township No. 16 N., Range No. 2 E.

, designated as Survey No. 4217

executed by J. William Waara, Mineral

Surveyor, August 21 - September 30, 1938, under my instructions dated

, 19 , 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.

Sherman C. Fiske Office Cadastral Engineer.