

MINERAL SURVEY No. 3599

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

FINAL, "SLAG", and GLADIATOR NO. 1 lodes

Copper Mountain Mining District,

Greenlee County, Arizona

Section 15 & 22 Uns., Township 4 South, Range 29 E.G. & S.R.B. & M.

Surveyed under instructions dated June 25, 1919.

by E. T. Morton

U. S. Mineral Surveyor.

Claim located see location notices, 19

Survey commenced July 28, 1919

Survey completed July 31, 1919.

Address of claimant: Morris & Malott, Attys.,
Box 879, Globe, Arizona.

DATES OF AMENDED LOCATIONS.

DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

APPLICATION FOR REPAYMENT OF EXCESS OR UNUSED MINING SURVEY DEPOSIT

(UNDER ACT OF FEBRUARY 24, 1909, 35 STAT., 645.)

THE U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

I hereby make application for the repayment of

Five - - - - - dollars and ~~seventy-six~~ - - - - - cents (\$5.76)

being the excess or unused mining survey deposit made in connection with my application for official survey of the Final, Slag, and Gladiator No. 1 Lodes,

mining claim, mineral survey No. 3599, as per certificate No. - - - - - issued by the The

Phoenix National Bank of Phoenix, Arizona, June 23, 1919,

in the amount of \$5.76, and on oath declare that I am the identical person who made said payment

(or - - - - - legal representative or duly authorized agent, as evidenced by authorization hereto attached).

(Signature.)

(Post Office address.)

STATE OF _____ }
COUNTY OF _____ } ss.

Subscribed and sworn to before me this _____ day of _____, 19____

OFFICE OF U. S. SURVEYOR GENERAL

I CERTIFY that the foregoing claim is correct as appears from the records of this office.

U. S. Surveyor General.

DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
WASHINGTON

Approved for \$_____ and forwarded to the Auditor for the Interior Department for settlement.

Commissioner.

1.

Feet	SURVEY NO. 3599 Final Lode.
	<p>Beginning at Cor. No. 1. On West side line, Alianza lode Uns. A pine post, in place, 4 ins. square, 3.5 ft. high, with a mound of stone scribed F 1-3599 whence The S.W. Cgr. Sec. 13, T.4 S.R. 29 E. G. & S.R.B & M. bears N.89°27'E. 7422.4 ft.</p>
1305	<p>Thence S. 28°32'W To Cor. No. 2. On line 4-1 Gladiator No. 1 lode of this survey at N.55°18'W. 146.6 ft. from Cor. No. 1, also on West side line Alianza lode Uns. at N.28°32'E.154.4 ft. from the S.W.Cor. A pine post, in place, 4 ins. square, 3 ft. high, with a mound of stone scribed F 2-3599. No bearings available.</p>
208.6 400.3	<p>Thence N.55°18'W. S.W. end center of the location and lode. To Cor. No. 3. On line 4-1 Gladiator No. 1 lode of this survey at S.55°18' E. 61.1 ft. from Cor. No. 4, also on line 1-2 Sur. No. 2887 Deacon lode at N.26°21'E.95.2 ft. from Cor. No. 2. A pine post, in place, 4 ins. square, 3 ft. high, with a mound of stone scribed F 3-3599. No bearings available.</p>
1298.8 1311.8	<p>Thence N.26°21'E. Cor. No. 1, Sur. No. 2887 Deacon Lode. To Cor. No. 4. A pine post, in place, 4 x 6 ins., 3.5 ft. high, with a mound of stone scribed F 4-3599. No bearings available.</p>
242 450.6	<p>Thence S.55°18'E. N.E. end center of the location and lode. To Cor. No. 1, the place of beginning.</p>
	<p>"Slag" lode. Beginning at Cor. No. 1. A pine post, in place, 4 x 6 ins. 3.5 ft. high, with a mound of stone scribed S 1-3599, whence A cross (X) and B R 1-3599 chiseled on lime bedrock 5 x 6 ft. facing West bears N.17°08'W 33.8 ft. The S.W. Cor. Sec. 13 T.4 S.R. 29 E. G. & S.R.B.& M. bears N.83°00'E. 8547.3 ft.</p>
309 618	<p>Thence S.38°17'W. S. E. end center of the location and lode. To Cor. No. 2. Identical with Cor. No. 1 Sur.No. 3304 Bell lode. A redwood post, in place, 4 x 6 ins., 4 ft. high, with a mound of stone scribed S 2-3599. No bearings available.</p>
85.46 1499	<p>Thence N.65°35'W. Intersect line 3-4 Gladiator No. 1 lode of this survey at N.44°07'E. 694.41 ft. from Cor. No. 3. To Cor. No. 3. Identical with Cor. No. 4 Sur. No. 3304 Bell lode, also on line 1-2 Sur. No. 3304 Desprecio lode at S.38°17'W. 569.7 ft. from Cor. No. 1. A redwood post, in place, 4 x 6 ins., 3.5 ft. high, with a mound of stone scribed S 3-3599. No bearings available.</p>

Feet.	Thence N.38°17'E.
309	N.W. end center of the location and lode.
569.7	Cor. No. 1 Sur. No. 3304 Desprecio lode also intersect line 2-3 Sur. No. 2887 Lampasas lode at N.71°06'W. 153.1 ft. from Cor. No. 2.
618	To Cor. No. 4. A pine post, in place, 4 x 6 ins., 3.5 ft. high, with a mound of stone scribed S 4-3599.
	Thence S.65°35'E.
137.7	Intersect line 1-2 and 3-4 Sur. No. 2887 Lampasas and Navajo lodes at N.18°54'E. 32.32 ft. from Cors. Nos. 2 and 3 respectively.
473.91	Intersect line 2-3 Sur. No. 2887 Navajo lode at S.71°06'E. 334.65 ft. from Cor. No. 3.
1480.23	Intersect line 3-4 Gladiator No. 1 lode of this survey at N.44°07'E. 1331.69 ft. from Cor. No. 3.
1499	To Cor. No. 1, the place of beginning.
	Gladiator No. 1 lode. Beginning at Cor. No. 1. Identical with Cor. No. 4 Sur. No. 3503 Gladiator No. 2 lode. A redwood post, in place, 4 x 6 ins., 3.5 ft. high, with a mound of stone, scribed G 1-1-3599, whence Location of Cor. No. 5 Sur. No. 922 Snow Storm lode bears S.66°23'W. 504.44 ft. The S. W. Cor. Sec. 13 T.4 S.R. 29 E. G. & S.R.B. & M. bears N.80°40'E. 8031.2 ft.
	Thence S.44°07'W.
144	Intersect S.W. end line Alianza lode Uns. at S.61°28'E. 107.1 ft. from the S. W. Cor.
278.49	Intersect line 5-6 Sur. No. 922 Snow Storm lode at N.89°33'E. 269.36 ft. from Cor. No. 5.
534.7	Intersect line 3-5 Sur. No. 922 Snow Storm lode at S.26°20'E. 202.88 ft. from Cor. No. 5.
1440.8	To Cor. No. 2. On line 4-1 Sur. No. 3304 Globe lode at S.51°34'E. 602.79 ft. from Cor. No. 4, also on line 3-4 Sur. No. 3503 Gladiator No. 2 lode at N.44°07'E. 39.78 ft. from Cor. No. 3. A redwood post in place, 4 x 6 ins., 3.5 ft. high, with a mound of stone scribed G 1-2-3599. No bearings available.
	Thence N.55°18'W.
304	S. W. end center of the location and lode.
604.6	Intersect line 1-2 and 3-4 Sur. No. 3304 Big Mike and Globe lodes at S.39°14'W. 39.37 ft. from Cors. No. 4 and 4 respectively. <i>said Globe lode and 56.67 ft. from Cor. No. 1, said Big Mike lode</i>
608	To Cor. No. 3. A redwood post, in place, 4 x 6 ins., 3.5 ft high, with a mound of stone scribed G 1-3-3599. No bearings available.
	Thence N.44°07'E.
39.78	Cor. No. 4 Sur. No. 3304 Globe lode, also intersect line 1-2 Sur. No. 3304 Big Mike lode at S.39°14'W. 17.3 ft from Cor. No. 1.
57.54	Intersect line 2-3 Sur. No. 3304 Bell lode at N.65°35'W. 152.14 ft. from Cor. No. 2.
694.41	Intersect line 4-1 and 2-3 Sur. No. 3304 Bell lode and "Slag" lode of this survey at N.65°35'W. 85.46 ft. from Cors. Nos. 1 and 2 respectively. Cor. No. 2 said Bell lode brs S.38°17'W. 61.7 ft. from Cor. No. 1 thereof.
1331.69	Intersect line 4-1 "Slag" lode of this survey at N.65°35'W. 18.77 ft. from Cor. No. 1.
1361.2	Intersect line 2-3 Sur. No. 2887 Deacon lode at N.45°12'W. 89.33 ft. from Cor. No. 2.

Feet
 1440.8 To Cor. No. 4.
 A redwood post, in place, 4 x 6 ins., 3.5 ft. high, with
 a mound of stone scribed G 1-4-3599, whence
 A cross (X) and B R 4-3599 chiseled on line bedrock
 2 x 3 ft. facing S. W. bears N.15°50'W. 15 ft.
 Thence S.55°18'E.
 61.1 Cor. No. 3, Final lode of this survey, also intersect
 line 1-2 Sur. No. 2887 Deacon lode at N.26°21'E. 95.2
 ft. from Cor. No. 2.
 304 N. E. end center of the location and lode.
 461.4 Cor. No. 2 Final lode of this survey, also intersect
 the West side line Alianza lode Uns. at N.28°32'E. 154.4
 ft. from the S. W. Cor.
 608 To Cor. No. 1, the place of beginning.
 Variation at all corners 13°40'E.

LODE LINES

As near as can be determined from present developments
 the veins of the several locations embraced in this claim
 extend as follows from their respective discovery points.
 Final lode, 25 ft.N.28°32'E., and 1280 ft.S.28°32'W.
 "Slag" lode, 510 ft.S.65°35'E. and 989 ft.N.65°35'W.
 Gladiator No. 1 lode, 279 ft.N.44°07'E., and 1161.8 ft.
 S.44°07'W.

AREA

	Acres
Total area Final lode - - - - -	12.676
Total area "Slag" lode - - - - -	20.647
Area in conflict with -	
Gladiator No. 1 lode of this survey -	-0.718
Sur. No.2887 Lampasas lode - - - -	-0.131
Sur. No. 2887 Navajo lode - - - -	-0.124
Total area Gladiator No. 1 lode - - - -	19.839
Area in conflict with -	
Sur. No. 922 Snow Storm lode - - - -	-0.562
Sur. No. 2887 Deacon lode - - - -	-0.148
Sur. No. 3304 Globe lode - - - -	-0.272
Sur. No. 3304 Big Mike lode - - - -	-0.002
Sur. No. 3304 Bell lode - - - -	-1.635
Alianza lode Uns. - - - -	-0.429

LOCATION

This survey is located in the Copper Mountain Mining
 District, Greenlee County, Arizona, Secs. 15 and 22 Uns.,
 T.4 S.R.29 E., G. & S.R.B.& M.

ADJOINING LODES

The adjoining lodes are, on the North, Sur. No. 2887
 Lampasas, Navajo and Deacon lodes, Arizona Copper Company
 claimant, on the East, Alianza lode, Uns., Chas. Chester-
 field claimant, Sur. No. 922 Snow Storm lode (abandoned)
 and Sur. No. 3503 Gladiator No. 2 lode, R. J. Marshall
 claimant, on the South, and West, Sur, No. 3304 Globe,
 Big Mike, Bell and Desprecio lodes, claimant herein.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon, or for the benefit of, each of the locations embraced in said mining claim, by the claimant or its grantors is not less than five hundred dollars, and that said improvements consist of

Final lode.

No. 1. The discovery tunnel, with an open cut approach, the mouth of which is on the lode line 25 ft. from line 4-1, running S.42°30'W. 24 ft., 5 x 9 ft. open cut and 5 x 6 ft. tunnel 12 ft; thence S.87°W. 12 ft. Thence S.50° W. 3 ft, thence S.20°E. 18 ft.

Value - - - - - \$700.00

"Slag" lode.

No. 1. The discovery showing mineral in place is on the lode line 510 ft. from line 1-2.

No. 2. A tunnel with an open cut approach, the mouth of which bears from the S.E. end center N.69°40'W.549 ft., running S.74°E. 13 ft. of 5 x 8 open cut and 3 ft. 5 x 6 ft. tunnel.

Value - - - - - \$100.00

No. 3. A tunnel with an open cut approach, the mouth of which bears from the S.E. end center N.73°40'W. 575 ft., running S.60°E. 20 ft. 5 x 11 ft., thence S.50° E. 25 ft. 5 x 6 ft. tunnel.

Value - - - - - \$450.00

Gladiator No 1 lode.

No. 1. The discovery cut the mouth of which is on the lode line 279 ft. from line 4-1, 4 x 8 ft., running N.83°W. 17 ft.

Value - - - - - \$100.00

No. 2. A tunnel with an open cut approach the mouth of which bears from the N.E. end center S.17°35'W. 199 ft. running N.35°W. 14 ft. thence N.24°E. 7 ft. of open cut 5 x 10-ft. and 14 ft. of 5 x 6 ft. tunnel, thence N.25°W. 11 ft.

Value - - - - - \$500.00

No. 3. A tunnel with an open cut approach the mouth of which bears from the N.E. end center S.3°10'W. 387.5 ft., running S.84°W.-21-ft. 4 x 8 ft. open cut and 6 ft. of 4 x 6 ft. tunnel.

Value - - - - - \$100.00

INSTRUMENT

This survey was made with a Buff and Berger light mountain transit. The courses were deflected from the true meridian as determined by Polaris observations. The distances were measured with 5, 50 and 500 ft. steel tapes.

REPORT

The S. W. Cor. Sec. 13 T.4 S. R.29 E., G. & S.R. B. & M. is a stone porphyry set and chiseled. Sur. No. 2887, Deacon, Navajo and Lampasas lodes: All corners are posts properly set and scribed. Sur. No. 3304; Globe, Big Mike, Bell and Desprecio lodes:

All corners are posts properly set and scribed.
 Sur. No. 3503, Gladiator No. 2 lode:
 All corners are posts properly set and scribed.
 Alianza lode Uns.:
 All corners are posts set and marked.
 Sur. No. 922, Snow Storm lode:
 All corners have been obliterated. Their location
 was established the same way as it was in Sur. No. 3503,
 executed by me. i. e. according to the record.

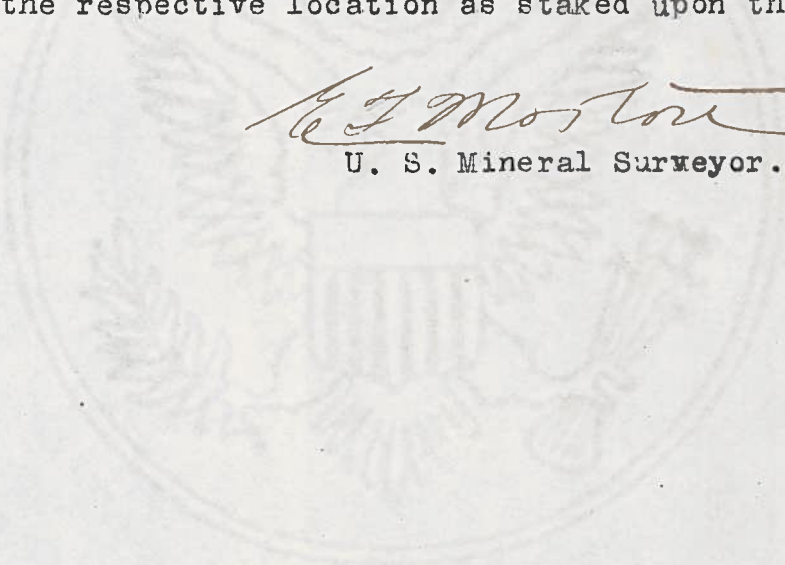
The differences between this survey and the location
 certificates are due to errors in the latter.

The differences between this survey and previous
 survey are due to errors in the latter.

All end center monuments are mounds of stone.

The survey of each lode of this location is identical
 with the respective location as staked upon the ground.

E. J. Norton
 U. S. Mineral Surveyor.



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by E. P. Morton
 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 Final "Slag" and Gladiator No. 1, lodes
 and showing the respective capacities in which they acted.

- Pablo Gonzalez, Chainman.
-, Chainman.
-, Axman.
-, Flagman.

FINAL OATHS OF ASSISTANTS.

~~We, I, Pablo Gonzalez~~
~~and~~ I, do solemnly swear that ~~we~~ assisted E. P. Morton
, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Phelps Dodge Corporation

 known as the Final "Slag" and Gladiator No. 1, lodes
 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 instruc-
 tions furnished by the United States Surveyor-General for Arizona

-, Chainman.
- Pablo Gonzalez, Chainman.
-, Axman.
-, Flagman.

Subscribed and sworn to by the above-named persons before me this 10
 day of Nov, 1919

E. J. Fitzgerald
Notary Public
 My Commission expires Jan. 24, 1923
 6-1043

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, E. T. Morton, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 23rd, 1919, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Phelps Dodge Corporation, known as the Final, 'Slag' and Gladiator No. 1 lodes, situate in Copper Mountain Mining District, Greenlee County, Arizona, in Section 15 & 22, Township No. 4 S., Range No. 29 E., G. & S. R. B. & N., and designated as Survey No. 3599, 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 Surveyor General with said instructions, and that all the 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 improvements 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 included in the estimate of expenditures upon any other claim.

E. T. Morton
U. S. Mineral Surveyor.

Subscribed and sworn to by the said
U. S. Mineral Surveyor, before me
Notary Public
day of ... 1919

E. T. Morton
E. O. Fitzgerald
this 10

E. O. Fitzgerald
Notary Public
My Commission expires
Jan. 24-1923

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

January 20, 1920., 191

I, U. S. Surveyor-General for 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 FINAL, SLAG, and GLADIATOR NO. 1 LODES

situate in COPPER MOUNTAIN,

Mining District, GREENLEE County, ARIZONA,

in Sections 15 & 22 Un^s, Township No. 4 South, Range No. 29 E., and

designated as Survey No. 3599, 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.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon each of said mining claims by claimant or its grantors, and that said improvements consist of 6 cuts and 5 tunnels, value \$1950.00

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 U. S. Land Office at Phoenix, Arizona is correct and in conformity with the foregoing Field Notes.

Frank P. Trott

United States Surveyor-General for Arizona.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD
NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

January 20, 1920., 191

I, U. S. Surveyor-General for 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

FINAL, "SIAG," and GLADIATOR NO. 1 LODES

situate in COPPER MOUNTAIN mining district,
GREENLEE County, ARIZONA,

in Sections 15 & 22 Unsub., Township No. 4 South, Range No. 29 E.,

designated as Survey No. 3599

executed by E. T. Morton, United States Mineral

Surveyor, July 28-31, 1919, under my instructions dated

June 23, 1919, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank O. Frost

U. S. Surveyor-General for Arizona.