

MINERAL SURVEY No. 3545

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

PORTO RICO Lode

Conner Mountain Mining District,

Greenlee County, Arizona

Section 16 nns., Township 4 South, Range 29 E., G. & S.R.B. & M.

Surveyed under instructions dated September 26, 19 18

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

Claim located see location notice, 19

Survey commenced October 19, 19 18

Survey completed October 22, 19 18

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

DATES OF AMENDED LOCATIONS.

Feet

SURVEY NO. 3545  
PORTO RICO LODE

Beginning at Cor. No. 1.

At intersection of lines 18-19 and 21-22, Sur. No. 1030 A., London and Hoodoo lodes, at N. 13° 15' W. 688.86 ft. from Cor. No. 18, and N. 19° 40' E. 829.98 ft. from Cor. No. 22, respectively.

A quartz-porphry stone, 6 x 12 x 26 inches, set 12 inches in the ground, with mound of stone alongside, chiseled PR 1-3545, whence

U. S. L. M. No. 1654 bears N. 33° 04' E. 2340 ft.

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Thence S. 13° 15' E.

219.22 Cor. No. 26, Sur. No. 1172, Oregon lode.

561.12 Cor. No. 27, Sur. No. 1172, Oregon lode.

678.26 To Cor. No. 2.

At intersection of lines 15-16 and 18-19, Sur. No. 1030 A. Butler and London lodes, respectively.

A quartz-porphry, 8 x 12 x 24 inches, set 12 inches in the ground, with mound of stone alongside, chiseled PR 2-3545, whence

Cor. No. 18, Sur. No. 1030 A., London lode bears S. 13° 15' E. 10.6 ft.

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Thence N. 84° 45' W.

47.7 SE. end center of the location and lode.

65.73 Cor. No. 28, Sur. No., 1172 Oregon lode, whence Cor. No. 27, said Oregon lode, which is on line 1-2 of this survey, bears N. 19° 40' E. 114.7 ft.

95.45 To Cor. No. 3.

On lines 28-29 and 15-16, Sur. No. 1172, Oregon lode and Sur. No. 1030 A., Butler lodes, respectively, at S. 84° 45' E. 11.74 ft. from Cor. Nos. 29 & 15.

A quartz-porphry stone 8 x 12 x 24 inches, set 12 inches in the ground, with mound of stone alongside, chiseled PR 3-3545, whence

A Corner of the location bears N. 84° 45' W. 11.88 ft.

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Feet  
 Thence N. 13°15' W.  
 508.13 Cor. No. 25, Sur. No. 1172 Oregon lode, whence Cor. No. 26,  
 said Oregon lode which is on line 1-2 of this survey,  
 bears S. 62° E. 120.4 ft. also  
 Intersect line 21-22, Sur. No. 1030 A., Hoodoo lode, at  
 N. 19°40' E. 663.4 ft. from Cor. No. 22, ~~of this survey,~~  
~~at its intersection with line 18-19, Sur. No. 1030 A.;~~  
~~Hoodoo lode.~~

678.26 To Cor. No. 4.  
 A quartz-porphry stone, 6 x 12 x 26 inches, set 12  
 inches in the ground, with mound of stone alongside, chis-  
 eled PR 4-3545.  
 No bearings available.

Thence S. 84°45' E.  
 47.75 NW. end center of the location and lode.  
 95.45 To Cor. No. 1, the place of beginnig.

Variation at all corners 13° 45' E.

LODE LINES

As near as can be determined from present developements the  
 vein of this location extends as follows from the discovery point:  
 500 ft. S. 13°15' E., and 178.26 ft. N. 13°15' W.

AREA	Acres	Acres
Total area Porto Rico lode		1,409
Area in conflict with:-		
Sur. No. 1172, Oregon lode	0.921	
Sur. No. 1030 A., Hoodoo lode	0.177	

LOCATION

This survey is located in Sec. 16, <sup>unsurveyed</sup> T. 4 S., R. 29 E., G. & S.  
 R. B. & M., Copper Mountain-Mining District, Greenlee County,  
 Arizona Land District, Arizona.

## EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon or for the benefit of this location by the claimant or its grantors is not less than five hundred dollars, and that said improvements consist of:

No. 1. The discovery, showing mineral in place, on the lode line 178.26 ft. from the NW. end center.

No. 2. An open cut the mouth of which bears from Cor. No.1 S.2°E. 152 ft. 5 x 10 ft., running S. 26° E. 15 ft.

Value \$ 50.00

NOTE. An undivided 1/12 interest in the Lone Star Tunnel is accredited to this lode, as hereinafter explained.

Value 1/12 interest \$ 2758.33

This claim is a part of the Lone Star Group, claimant herein, of twelve lodes, Sur. No. 1030 A., London, Butler, Hoodoo, Kupfer and Lone Star lodes, Sur. No. 1172, Nevada lode, Sur. No. 3362, Summit and Seneca lodes, Sur. No. 3370, Diamond lode, Wyoming and West End lodes, unsurveyed, and the Porto Rico lode, of this survey. This group can be advantageously developed by the Lone Star Tunnel the adit of which is on the Lone Star ~~tunnel~~<sup>lode</sup> and bears from Cor. No. 3, Porto Rico lode, this survey, S. 13°46' E. 1631 ft., running thence N. 17°45' W. 630 ft., thence N. 31° W. 1025 ft., 5½ x 7 ft., value \$ 33,100.00. Map showing relative location of the several locations in this group with contours from the U.S.G.S. topographic sheet and the Lone Star Tunnel thereon is on file with my returns of Sur. No. 3362, Summit and Seneca lodes, marked "Contour Map Survey No. 3362"

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ADJOINING LODES

This survey is bounded on the North by Sur. No. 1030 A., Hoodoo lode, claimant herein; on the East by Sur. No. 1030 A., London lode, claimant herein; on the South by Sur. No. 1030 A., Butler lode, claimant herein; and on the West by Sur. No. 1172, Oregon lode and Sur. No. 1030 A., Hoodoo lode, claimant herein.

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## REPORT

U. S. L. M. No. 1654 is a pine post, 7 inches. square, properly set and scribed.

Sur. No. 1030 A., Hoodoo, London and Butler lodes:

All Corners are pine posts properly set and scribed.

Sur. No. 1172, Oregon lode:

Corners Nos. 27 and 29 are pine posts properly set and scribed.

Corners Nos. 25 and 26 are obliterated leaving bottoms of posts in mounds of stone.

The Survey of this lode is within the boundaries of its location as staked on the ground. Corners Nos. 1, 2 and 4 are identical with the ~~the~~ respective corners of the location.

The differences between these field notes and the returns of previous surveys are due to errors in the latter.

The differences between these field notes and the location certificate are due to errors in the latter.

All end center monuments are mounds of stone.

The exact Corner points are marked with crosses.

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INSTRUMENT

This survey was made with a Berger Light Mountain Transit. The courses were deflected from the true meridian as determined by Polaris observations and the distances were measured with 5, 50 and 500 ft. tapes.

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U.S. Mineral Surveyor.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by E. T. 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 Porto Rico lode  
 and showing the respective capacities in which they acted.

\_\_\_\_\_  
Pablo Gonzales \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Arman.*  
 \_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, I, Pablo Gonzales  
 and \_\_\_\_\_, do solemnly swear that we assisted E. T. Morton  
 \_\_\_\_\_, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Phelps Dodge Corporation  
 \_\_\_\_\_  
 known as the Porto Rico 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 instruc-  
 tions furnished by the United States Surveyor-General for Arizona

\_\_\_\_\_  
Pablo Gonzales \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Arman.*  
 \_\_\_\_\_, *Flagman*

Subscribed and sworn to by the above-named persons before me this 9th

day of January, 1919

Louis T. Payne

Notary Public

My commission expires

Feb. 20 - 1919

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 September 26, 1918, 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 Porto Rico lode, situate in Copper Mountain Mining District, Greenlee County, Arizona, in Section 16 Nns., Township No. 4 S., Range No. 29 E., G. & S.R.B. & M., and designated as Survey No. 3545, 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 E.T. Morton
U. S. Mineral Surveyor, before me Louis T. Payne
a Notary Public this 9th
day of January, 19 19

Louis T. Payne
Notary Public



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

May 13, 1919

I, U. S. Surveyor-General for District of 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 PORTO RICO LODE.

situate in COPPER MOUNTAIN

Mining District GREENLEE County, ARIZONA.

in Section 16 uns., Township No. 4 S., Range No. 29 E., and

designated as Survey No. 3545, 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 said mining claim by claimant or its grantors, and that said improvements consist of 1 cut, value \$50, and a 1/12 interest in the Lone Star tunnel, value \$2,758.33, total value \$2,808.33.

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,

May 13, 1919

I, U. S. Surveyor General for District of 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

PORTO RICO LODGE

situate in COPPER MOUNTAIN mining district,

GREENLEE County, ARIZONA.

in Section 16 uns, Township No. 4 S., Range No. 29 E.

, designated as Survey No. 3545

executed by E. T. Morton, U. S. Mineral

Surveyor, October 19-22, 1918, under my instructions dated

September 26, 1918, 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. 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.

[Handwritten signature]

U. S. Surveyor General for Arizona.