

AUG. 27. 1917

4-683

*Platted*

MINERAL SURVEY No. 3414

LOT No. \_\_\_\_\_

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

La Maria, El Capitan, Mohican, Dos Cuñas, North Dakota, South Dakota  
lodes

Copper Mountain Mining District,

Greenlee County, Arizona

Sections 8 & 9 Uns., Township 4 South, Range 29 E., G. & S. R. B. & M.

Surveyed under instructions dated July 16, 1917.

by E. T. Morton

U. S. Mineral Surveyor.

Claim located see location notices, 19

Survey commenced August 4, 1917.

Survey completed August 13, 1917.

Address of claimant: S. H. Morris, Atty., Box 879, Globe, Arizona.

DATES OF AMENDED LOCATIONS.

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1.

SURVEY NO. 3414.

La Maria lode.

Beginning at Cor. No. 1 identical with Cor. No. 28 Sur. No. 1033 A. Gen. Miles lode.

A pine post in place 4 ins. square 3 ft. high with a mound of stones, scribed L.M 1-3414 whence U.S.L.M.No. 1654 bears S.28°31'E. 3837 ft.

Thence N. 71°06' W.

290 Intersect gulch course southeast.

300 Southwest end center of the location and lode.

600 To Cor. No. 2.

Identical with Cor. No. 27 Sur. No.1033 A. Gen.Miles lode and Cors. Nos. 1 and 4 North Dakota and South Dakota lodes of this survey respectively.

A pine post in place 4 ins. square 3 ft. high with a mound of stones scribed SD 4-ND 1- L.M. 2-3414.

No bearings available.

Thence N.18°56'E.

250 Intersect gulch course East.

1426.33 Intersect line 4-1 Dos Cuñas lode of this survey at N.3°46'E. 53.26 ft. from Cor. No. 4.

1500 To Cor. No. 3.

Identical with Cor. No. 4 North Dakota lode of this survey.

A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed N.D 4-LM3-3414.

No bearings available.

Thence S.71°06'E.

300 Northeast end center of the location and lode.

600 To Cor. No. 4.

On line 2-3 El Capitan lode of this survey at S. 18° 56' W. 99.7 ft. from Cor. No. 3.

A redwood post in place 4x6 ins. 3 ft. high with a mound of stones scribed LM 4-3414.

No bearings available.

Thence S. 18° 56' W.

- 9.69 Intersect line 3-4 Dos Cuñas lode of this survey at  
S. 82°14' E. 597.4 ft. from Cor. No. 4.
- 1400.3 Cor. No. 2 El Capitan lode of this survey and Cor. No. 19  
Sur. No. 1033 A. Fairbanks lode.
1500. To Cor. No. 1, the place of beginning.  
El Capitan lode.  
Beginning at Cor. No. 1.  
Identical with Cor. No. 20 Sur. No. 1033 A Fairbanks lode  
and on line 10-11 Sur. No. 1033 A. Oneido lode at N. 18°  
56' E. 99.8 ft. from Cor. No. 10.  
A pine post in place 4 ins. square 3 ft. high with a  
mound of stones scribed EC 1-3414 whence U.S.L.M. No.  
1654 bears S. 20°37' E. 3496.3 ft.  
A cross (x) and BR 1-3414 Chiseled on quartz porphyry  
bedrock exposed 20x50 ft. facing south bears S. 29°08' E.  
23 ft.  
Thence N. 71°11' W.  
300 Southwest end center of the location and lode.
- 600 To Cor. No. 2.  
Identical with Cor. No. 19 Sur. No. 1033 A Fairbanks lode  
and on line 4-1 La Maria lode of this survey at N. 18°56'  
E. 99.7 ft. from Cor. No. 1.  
A pine post in place 4 ins. square 3 ft. high with a mound  
of stones scribed EC 2-3414 whence,  
A cross (x) and B.R. 2-3414 chiseled on quartz porphyry  
bedrock exposed 5x10 ft. bears S. 57° E. 25.4 ft.  
Thence N. 18°56' E.
- 1390.61 Intersect line 3-4 Dos Cuñas lode of this survey at N.  
82°14' W. 570.7 ft. from Cor. No. 3.
- 1400.3 Cor. No. 4 La Maria lode of this survey.
1500. To Cor. No. 3.  
A redwood post in place, 4x6 ins. 35 ft. high with a  
mound of stones scribed EC 3-3414 whence,  
A cross (x) and B.R. 3-3414 chiseled on quartz porphyry  
exposed 6x20 ft. facing North bears S. 18°56' W. 7.5 ft.

- Thence S. 71°11' E.
- 300. Northeast end center of the location, and lode.
  - 358. Intersect gulch course south.
  - 559.9 Cor. No. 3 Dos Cañas lode of this survey, also intersect line 3-5 Sur. No. 925 Mexican lode at N. 3°46' E. 64.41 ft. from Cor. No. 3.
  - 599.2 Intersect line 2-3 Sur. No. 2936 Chicola lode at N. 18° 22'E. 98.90 ft. and 56.27 ft. from Cor. No. 2 and its intersection with line 2-3 Sur. No. 925 Mexican lode respectively.
  - 600 To Cor. No. 4.  
A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed EC 4-3414.  
No bearings available.
- Thence S. 18°56'W.
- 56.16 Intersect line 2-3 Sur. No. 925 Mexican lode at S. 85° 44' E. 24.05 ft. and .44 ft. from Cor. No. 3, and its intersection with line 2-3 Sur. No. 2936 Chicola lode respectively.
  - 98.90 Cors. Nos. 2 and 11 Sur. No. 2936 Chicola lode and Sur. No. 1033 A. Oneida lode respectively.
  - 720 Intersect gulch course southeast.
  - 1500 To Cor. No. 1, the place of beginning.

Mohican lode.

- Beginning at Cor. No. 1.
- A redwood post, in place 4x6 ins. 3.5 ft. high with a mound of stones scribed M 1-3414, whence U.S.M.M.No.3 bears N.20°03'E. 4470.6 ft.

Thence S. 71°36'E.

  - 299.8 Northeast end center of the location and lode.
  - 387.6 Intersect line 1-2 Sur. No. 1867 Hennessey lode at N. 11°32' W. 196.77<sup>ft.</sup> from Cor. No. 2.
  - 542.79 Cor. No. 2 Sur. No. 1867 Little Mittie lode and intersect line 2-3 Sur. No. 1867 Hennessey lode at N. 36°53' E. 179.8 from Cor. No. 2.
  - 599.6 To Cor. No. 2.

Identical with Cor. No. 3 North Dakota lode, of this survey and on line 2-3 Sur. No. 1867 Little Mittie lode at S.  $71^{\circ}36'E$ . 56.81 ft. from Cor. No. 2.

A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed N.D.3-M2-3414.

No bearings available.

Thence S.  $18^{\circ}56'W$ .

1000. Intersect gulch course southeast

1489.2 To Cor. No. 3.

On line 2-3 North Dakota lode of this survey at N.  $18^{\circ}56'E$ . 10.8 ft. from Cor. No. 2.

A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed M3-3414.

No bearings available.

Thence N.  $71^{\circ}36'W$ .

283.37 Intersect line 1-4 Sur. No. 3110 Ontario No. 5 lode at S.  $27^{\circ}29'E$ . 130.61 ft. from Cor. No. 4.

299.8 Southwest end center of the location and lode.

465.29 Intersect line 3-4 and 3-4 Sur. No. 3110 Ontario No. 5 lode and Sur. No. 1867 Artic lode at S.  $62^{\circ}31'W$ . 126.64 ft. and 451 ft. from Cors. Nos. 4 and 3 respectively.

599.6 To Cor. No. 4.

A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed M4-3414.

No bearings available.

Thence N.  $18^{\circ}56'E$ .

150. Intersect gulch course Northeast.

730.48 Intersect line 1-2 Sur. No. 1867 Artic lode at S.  $62^{\circ}31'W$ . 15.33 from Cor. No. 2.

From Cor. No. 2 said Artic lode Cor. No. 3, bears S.  $27^{\circ}29'E$ . 600 ft.

1489.2 To Cor. No. 1, the place of beginning.

Dos Cuñas lode.

Beginning at Cor. No. 1.

On line 3-4 Sur. No. 1480 New Mexico lode and 3-4 North Dakota lode of this survey at S.  $82^{\circ}14'E$ . 331.9 ft.

and N. 71°36'W. 1292 ft. from Cors. Nos. 3 and 4 respectively.

A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed DC1-3414, whence U.S.M.M.No. 3 bears N.5°09'E.4590.8 ft.

Thence S. 82°14'E.

942

Intersect gulch course south.

1168.1

To Cor. No. 2.

Identical with Cor. No. 4 Sur. No. 1480 New Mexico lode and on line 3-5 Sur. No. 925 Mexican lode at N. 3°46' E. 193.81ft. from Cor. No. 3.

A pine post in place 4 ins. square 3 ft. high with a mound of stones scribed DC 2-3414.

No bearings available.

Thence S. 3°46'W.

64.7

East end center of the lodation and lode.

129.4

To Cor. No. 3.

On line 3-5 Sur. No. 925 Mexican lode and 3-4 El Capitan lode of this survey at N. 3°46'E 64.41 ft. and S. 71°05' 11'E.559.9 ft. from Cors. Nos. 3 and 3 respectively.

Thence N. 82°14'W.

200

Intersect gulch course south.

570.7

Intersect line 2-3 and 4-1 El Capitan and La Maria lodes of this survey at S. 18°56'W. 109.39 ft. and 9.69 ft. from Cors. Nos. 3 and 4 respectively.

1168.1

To Cor. No. 4.

A redwood post in place 4x6 ins. 3.5 ft. high with a mound of stones scribed DC4-3414.

No bearings available.

Thence N.3°46'E.

53.26

Intersect line 4-1 and 2-3 North Dakota and La Maria lodes of this survey at S. 18°56'W. 73.67 ft. from Cors. Nos. 4 and 3 respectively.

64.7

West end center of the location and lode.

- 129.4 To Cor. No. 1, the place of beginning.  
 North Dakota lode.  
 Beginning at Cor. No. 1.  
 Identical with Cor. No. 27 Sur. No. 1033 A. Gen. Miles  
 lode and Cors. Nos. 2 and 4 La Maria and South Dakota  
 lodes of this survey respectively, heretofore described.  
 U.S.L.M.No.1654 bears S.33°56'E.4298 ft.  
 Thence N.71°36'W.
- 300. Southwest end center of the location and lode.
- 600. To Cor. No. 2.  
 Identical with Cor. No. 3 South Dakota lode of this  
 survey.  
 A redwood post in place 4x6 ins. 3.5 ft. high with a  
 mound of stones scribed SD 3-ND2-3414 whence,  
 A cross (x) BR 3-2-3414 chiseled on quartz porphyry bed-  
 rock 2x10 ft. facing North bears S. 40°55' W. 9.9 ft.  
 Thence N.18°56'E.
- 10.8 Cor. No. 3 Mohican lode of this survey.
- 500. Intersect gulch course southeast.
- 1500. To Cor. No. 3.  
 On line 2-3 Sur. No. 1867 Little Mittie lode and identical  
 with Cor. No. 2 Mohican lode of this survey heretofore  
 described.  
 Thence S. 71°36'E.
- 237.89 Cor. No. 3 Sur. No. 1867 Little Mittie lode also inter-  
 sects line 2-3 Sur. No. 1480 New Mexico lode at N.3°46'  
 E. 63.3 ft. from Cor. No. 3.
- 300 Northeast end center of the location and lode.
- 580.08 Cor. No. 1 Dos Cuñas lode of this survey and intersect  
 line 3-4 Sur. No. 1480 New Mexico lode at S. 82°14'E.  
 331.9 ft. from Cor. No. 3.
- 600. To Cor. No. 4.  
 Identical with Cor. No. 3 La Maria lode of this survey  
 heretofore described.  
 Thence S. 18°56'W.
- 73.67 Intersect line 4-1 Dos Cuñas lode of this survey at S.

Feet.	S.3°46'W.76.14 ft.from Cor.No.1.
1250	Intersect gulch,course East.
1500	To Cor.No.1,the place of beginning.
	South Dakota lode.
	Beginning at Cor.No.1.
	Identical with Cor.No.26 Sur.No.1033A Gen Miles lode.
	A redwood post,in place,4x6 ins.3.5 ft.high,with a mound of stone,scribed SD 1-3414,Whence
	U.S.L.M.No.1654 bears S.53°17'E.3583.9 ft.
	Cor.of the location bears S.18°24'W.11.6 ft.
	Thence N.71°36'W.
186.54	Intersect line 1-4 Sur.No.3110 Ontario No.4 lode at N.27°29'W.24.09 ft.from Cor.No.1.
300	Southwest end center of the location and lode.
600	To Cor.No.2.
	A redwood post,4x6 ins.5 ft.long,set 24 ins.in the ground with a mound of stone scribed SD 2-3414,whence
	Cor.of the location bears S.18°28'W.11.6 ft.
	Thence N.18°24'E.
400.90	Cors.Nos.1,2-and 4 Sur.No.3110 Ontario No.2,Ontario No.5, and Ontario No.4 lodes,respectively.
1236.64	Intersect line 1-4 Sur.No.3110 Ontario No.5 lode at N.27°29'W.581.78 ft.from Cor.No.1.
1500	Cor.No.2 said Ontario No.5 lode bears S62°31'W 600 ft. from Cor. No. 1 thereof. To Cor.No.3.
	Identical with Cor.No.2 North Dakota lode of this survey heretofore described.
	Thence S.71°36'E.
300	Northeast end center of the location and lode.
600	To Cor.No.4.
	Identical with Cors.Nos.1 and 2 North Dakota and La Maria lodes of this survey,respectively and Cor.No.27 Sur.No.1033A Gen Miles lode heretofore described.
	Thence S.18°24'W.



Feet.

1500

To Cor.No.1, the place of beginning.  
 The survey of each claim in this group is identical with or within the respective location as staked upon the ground. The exact corner point in each instance is indicated by a tack or small nail.  
 Variation at all corners 13°40'E.

LODE LINES.

As near as can be determined from the present developments the veins of the several locations embraced in this mining claim extend as follows from their respective discovery points:

La Maria lode, 121.4 ft. S. 18°56' W. and 1378.6 ft. N. 18°56' E.  
 El Capitan lode, 62.7 ft. S. 18°56' W. and 1437.3 ft. N. 18°56' E.  
 Mohican lode, 406.9 ft. N. 18°56' E. and 1082.3 ft. S. 18°56' W.  
 Dos Cuñas lode, 235.3 ft. S. 82°14' E. and 932.8 ft. N. 82°14' W.  
 North Dakota lode, 359.5 ft. S. 18°56' W. and 1140.5 ft. N. 18°56' E.  
 South Dakota lode, 38.3 ft. N. 18°24' E. and 1461.7 ft. S. 18°24' W.

AREA.

	Acres.
Total area La Maria lode	20.661
Area in conflict with-	
Dos Cuñas lode of this survey	0.938
Total area El Capitan lode	20.661
Area in conflict with-	
Dos Cuñas lode of this survey	0.703
Sur.No.925 Mexican lode	0.044
Sur.No.2936 Chicola lode	0.001
Sur.No.2936 Chicola lode (exclusive of its conflict with Sur.No.925 Mexican lode)	nominal
Total area Mohican lode	20.498
Area in conflict with-	
Sur.No.1867 Artic lode	4.338
Sur.No.1867 Hennessey lode	0.304
Sur.No.3110 Ontario No.5 lode	0.190
Total area Dos Cuñas lode	3.462

Area in conflict with-

North Dakota lode of this survey - - - - -0.017

Total area North-Dakota lode - - - - - 20.661

Area in conflict with-

Sur.No.1480 New Mexico lode - - - - -0.241

Total area South Dakota lode - - - - -20.661

Area in conflict with-

Sur.No.3110 Ontario No.4 lode - - - - -1.903

Sur.No.3110 Ontario No.5 lode - - - - -4.007

LOCATION.

This survey is located in the Copper Mountain Mining District, Greenlee County, Arizona, approximately in Secs. 8 & 9 Uns., T.4 S., R.29 E., G. & S.R.B. & M.

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 this mining claim by the claimant or its grantors is not less than five hundred dollars and that said improvements consist of:

La Maria lode.

No.1. The discovery showing mineral in place is on the lode line 121.4 ft. from line 1-2.

Note: The last 631 ft. of the No.2 drift from the Fairbanks shaft is on this lode and is hereto accredited as hereinafter explained.

Value 631 ft. - - - - - \$12620.00

El Capitan lode.

No.1. The discovery shaft is on the lode line 62.7 ft. from line 1-2, 4x6 ft. 10 ft. deep.

Value - - - - - \$100.00

Note: The last 740 ft. of the No.1 drift from the Fairbanks shaft is on this lode and is accredited hereto as hereinafter described.

Value, 740 ft. \$14800.00

Mohican lode.

No.1. The discovery showing mineral in place is on the lode line 406.9 ft. from line 1-2.

No.2. A tunnel with an open cut approach the mouth of which bears from Cor.No.3 N.5°46'W.294.7 ft. 5x10ft. Open cut and 5x7 ft. tunnel, running S.6°E.15 ft. and 25 ft. respectively.

Value - - - - - \$350.00

No.3. An open cut the mouth of which bears from Cor.No.3 N.29°W.96.4 ft., 8x10 ft., running S.17°W.20 ft.

Value - - - - - \$200.00

Dos Cuñas lode.

No.1. The discovery showing mineral in place is on the lode line 235.3 ft. from line 2-3.

No.2 A tunnel with an open cut approach the mouth of which bears from a point on line 1-2, 668.1 ft. from Cor. No.1 S.61°W.121.8 ft., 5x10 ft. open cut and 5x6 ft. tunnel running N.15°W.21 ft. and 9 ft. respectively.

Value - - - - - \$200.00

No.3. A tunnel with an open cut approach the mouth of which bears from the East end center S.87°W.201 ft., 5x10 ft. open cut and 5x6 ft. tunnel running N.50°E.18 ft. and 38 ft. respectively.

Value - - - - - \$500.00

North Dakota lode.

No.1. The discovery showing mineral in place is on the lode line 359.5 ft. from line 1-2.

No.2. A shaft the center of which bears from the Southwest end center N.58°E.358.7 ft., 5x10 ft. 255 ft. deep. From the West side of the bottom of said shaft a drift 6x6.5 ft. running N.1°30'W.210 ft., thence West 225 ft. Said drift also runs from said shaft S.1°30'E.57 ft., thence S.28°30'W.90 ft.; thence S.26°05'W.180 ft.; thence S.18°30'E.50 ft. Value \$23890.00.

Value, 967 ft. on this lode - - - \$21,890.00

Note: The last 100 ft. of the above drift is on the South Dakota lode and is accredited thereto.

South Dakota lode.

No. 1. The discovery showing mineral in place is on the lode line 38.3 ft. from line 3-4.

No. 2. A tunnel with an open cut approach the mouth of which bears from the Northeast end center S. 11° 41' E. 242.7 ft. 5x10 ft. open cut and 5x6 ft. tunnel, running S. 27° 30' E. 19 ft. and 22 ft. respectively.

Value - - - - - \$320.00

Note: The last 100 ft. of the drift from the No. 2 shaft on the North Dakota lode is on this lode and is accredited hereto.

Value 100 ft. \$2000.00

Note: The Fairbanks shaft which is on Sur. No. 1033A Fairbanks lode bears from Cor. No. 1 El Capitan lode of this survey, S. 69° 05' W. 405 ft. From the 3rd level of said shaft, at a depth of 238 ft., a drift designated as No. 1 drift 6x6.5 ft. running S. 86° 13' E. 19 ft.; thence N. 17° 35' W. 22 ft. thence N. 36° 25' E. 990 ft. A drift designated as No. 2 drift 6x6.5 ft. running from a point in No. 1 drift 41 ft. from the shaft, N. 63° 50' W. 28 ft.; thence N. 37° 50' W. 165 ft.; thence N. 34° 57' W. 254 ft.; thence N. 73° 35' W. 36 ft.; thence N. 54° 45' W. 500 ft. The last 740 ft. of the No. 1 drift is on the El Capitan lode and is accredited thereto. The last 631 ft. of the No. 2 drift is on the La Maria lode and is accredited thereto.

#### ADJOINING LODES.

The adjoining lodes are; on the North, Sur. No. 1867 Hennessey and Little Mittie lodes, the Shannon Copper Company claimant, Sur. No. 1480 New Mexico lode, the Arizona Copper Company claimant; on the East, Sur. No. 925 Mexican lode, Sur. No. 2936 Chicola lode, the Arizona Copper Company claimant and Sur. No. 1033A Oneida lode, claimant herein; on the South, Sur. No. 1033A Fairbanks and Gen Miles lodes,

claimant herein; on the West, Sur. No. 3110 Ontario No. 4, Ontario No. 2, and Ontario No. 5 lodes, Stevens Copper Mining Company, claimant, and Sur. No. 1867, Artic lode, Shannon Copper Company claimant.

#### INSTRUMENT.

This survey was made with a Buff and Berger light mountain mining 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.

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

U.S.M.M. No. 3 is a post 6 ins. square properly set and scribed.

Sur. No. 1867 Artic, Hennessey and Little Mittie lodes:

All corners are posts properly set and scribed.

Sur. No. 1480 New Mexico lode:

All corners are posts properly set and scribed.

Sur. No. 925 Mexican lode:

All corners are posts properly set and scribed.

Sur. No. 2936 Chicola lode:

All corners are posts properly set and scribed.

Sur. No. 1033A Oneida, Fairbanks and Gen Miles lodes:

All corners are posts properly set and scribed.

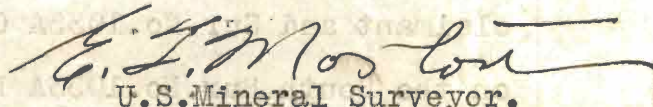
Sur. No. 3110. Ontario No. 2, Ontario No. 4 and Ontario No. 5 lodes:

All corners are posts properly set and scribed.

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

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

All end center monuments are mounds of stone.

  
U.S. Mineral Surveyor.

# FINAL OATHS FOR SURVEYS.

Aug. 27. 1917

## 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 La Maria, El Capitan, Mohican, Dos Cuñas, North Dakota, South Dakota  
lodes  
and showing the respective capacities in which they acted.

W. R. Hutchins, Chainman.

J. L. Awalt, Chainman.

Aceman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

We, W. R. Hutchins  
and J. L. Awalt, 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 La Maria, El Capitan, Mohican, Dos Cuñas, North Dakota, South Dakota  
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

W. R. Hutchins, Chainman.

J. L. Awalt, Chainman.

Aceman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 23 rd,  
day of August, 1917.

Wade Hampton  
Notary Public

6-1043

My commission expires February 23rd, 1920.

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 July 16, 1917, 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 La Maria, El Capitan, Mohican, Dos Guñas, North Dakota, South Dakota lodes situate in Copper Mountain Mining District, Greenlee County, Arizona, in Sections 8 & 9 Uns., Township No. 4 S., Range No. 29 E., G. & S. R. B. & M., and designated as Survey No. 3414, 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 a notary public
this 23rd,
day of August, 19 17.

Wade Hampton
Notary Public

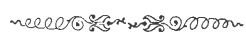
My commission expires February 23rd, 1920.

JUL 14 1917

LOCATION NOTICE

DEMING HEADLIGHT JOB PRINT.

# NOTICE OF LOCATION.



The Undersigned, Under the provisions of the several Acts of Congress, relating to the development of the mineral resources of the United States, hereby locate and claim  
 ..... 1500 feet in length, on this Lode, Vein or Deposit of Mineral Bearing Quartz, or other rock in place, with ..... 300 feet in width, on each side of the middle of said Lode, Vein or Deposit for mining purposes.

THIS CLAIM IS SITUATED in Copper Mountain Mining District, in the County of Graham and Territory of Arizona and shall be known as the La Maria Mine, the location and boundaries of which are more particularly described as follows, to wit: Beginning at <sup>a</sup> ~~this~~ monument of stones, erected at the centre of the South end of claim, ~~and upon which this notice is posted,~~ and running 300 feet in a N 71° 40' W direction to a monument of stones; thence 750 ft and 1500 feet in a N 18° 20' E direction to a monument of stones; thence 300 feet in a S 71° 40' E direction to a monument of stones, being the center of the North end of claim; thence 300 feet in a S 71° 40' E direction to a monument of stones; thence 750 ft and 1500 feet in a S 18° 20' W direction to a monument of stones; thence 300 feet in a N 71° 40' W direction to the place of beginning.

This Claim lies North of the Gen. Miles lode Patented to the Detroit Copper Mining Company of Arizona The South End of this claim being identical with the North end of the Gen Miles lode. 50 feet of this claim is S 18° 20' W and 1450 ft N 18° 20' E of the Discovery tunnel.

Date of location May 3<sup>rd</sup> 1897  
 A copy of this notice is posted at the Discovery tunnel

DATED on the ground, this 3<sup>rd</sup> day of May A. D. 1897.

WITNESS:  
Jas. B. McDonald  
Anders Nohman

Geo. M. Robison

Locators.



# NOTICE OF LOCATION.

The undersigned, in pursuance of the provisions of the several Acts of Congress, relating to the location of the mineral resources of the United States, hereby locate and claim the following part of the land, to-wit: *(faint text)*

For the location of this land, I have or I propose to have a plat of the same filed in the office of the Register of the Land Office at Washington, D.C., on the \_\_\_\_\_ day of \_\_\_\_\_, 1897.

307

*La Maria Lora*

90

May 3-1897

Register's Office,  
GRANBURY COUNTY, ARIZONA.

Filed for record of the \_\_\_\_\_ day of \_\_\_\_\_

May 18 97, at 9 o'clock A.M.

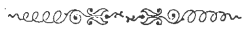
Registered in Book \_\_\_\_\_ (9)

Secretary of Mines on page \_\_\_\_\_

212 at the request of *J. M. Schuchman*

COUNTY RECORDER.

# NOTICE OF LOCATION.



The Undersigned, Under the provisions of the several Acts of Congress, relating to the development of the mineral resources of the United States, hereby locate and claim

1500 feet in length, on this Lode, Vein or Deposit of Mineral Bearing Quartz, or other rock in place, with 300 feet in width, on each side of the middle of said Lode, Vein or Deposit for mining purposes.

THIS CLAIM IS SITUATED in Copper Mountain Mining District, in the County of Graham and Territory of Arizona and shall be known as the El Capitan Mine, the location and boundaries of which are more particularly described as follows, to wit: Beginning at ~~the~~ <sup>a</sup> monument of stones, erected at the centre of the South end of claim, and ~~upon which this notice is posted, and~~ running 300 feet in a N 71° 40' W direction to a monument of stones; thence 750 ft and 1500 feet in a N 18° 20' E direction to a monument of stones; thence 300 feet in a S 71° 40' E direction to a monument of stones, being the center of the North end of claim; thence 300 feet in a S 71° 40' E direction to a monument of stones; thence 750 ft and 1500 feet in a S 18° 20' W direction to a monument of stones; thence 300 feet in a N 71° 40' W direction to the place of beginning.

This Claim lies North of the Fairbanks and West of the Oneida Lodes patented to the Detroit Copper Mining Company of Arizona. The South End line of this claim being identical with the north end line of the said Fairbanks lode. 50 feet of this claim is S 18° 20' W and 1450 ft N 18° 20' E of the Discovery shaft.

Date of location May 3<sup>rd</sup> 1897

(A copy of this location notice is posted at the Discovery shaft)

DATED on the ground this 3<sup>rd</sup> day of May A. D. 1897.

WITNESS:

Jas. B. McDonald  
Clendon McKeon

Geo. W. Robison

Locator\$.



JUL 14 1917

# Notice of Mining Location.

## QUARTZ CLAIM.

### To All Whom It May Concern:

This mining claim, the name of which is the Mohican Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by The Detroit Copper Mining Company of Arizona the undersigned, on the 5<sup>th</sup> day of January 1898.

The length of this claim is fifteen hundred feet, and 720 feet in a S. 18° 20' W direction and 750 feet in a N. 18° 20' E direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each

side of the center of said claim. The general course of the lode deposit and premises is from the S. 18° 20' W to the N. 18° 20' E

The claim is situated and located in the Copper Mountain Mining District, in Graham County, in the Territory of Arizona, about and its N. E. Corner in a N. 71° 40' W, 1800 ft. direction from the N. W. Corner of the Oneida Lode U. S. Mineral Survey No 1083, A

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

A monument of stone

at a point in a S. 18° 20' W direction 720 feet from the discovery shaft (at which this notice is posted), being in the center of the South end line of said claim; thence N. 71° 40' W, 300 feet to a Post, being the S. W. corner of said claim; thence N. 18° 20' E, 750 feet to a monument of stone at the center of the West side line of said claim; thence N. 18° 20' E, 750 feet to a Post being at the N. W. corner of said claim; thence S. 71° 40' E, 300 feet to a monument of stone at the center of the North end of said claim; thence S. 71° 40' E, 300 feet to a Post, being at the N. E. corner of said claim; thence S. 18° 20' W, 750 feet to a monument of stone being at the center of the East side line of said claim; thence S. 18° 20' W, 750 feet to a Post at the S. E. corner of said claim; thence N. 71° 40' W, 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines," approved March 20th, 1895.

Dated and posted on the ground this 5<sup>th</sup> day of January 1898,

Witness

J. B. McDonald

The Detroit Copper Mining Co. of Ariz  
by A. E. Miller its Agent



# Amended Location Notice

JUL 14 1917

NOTICE IS HEREBY GIVEN THAT THE UNDERSIGNED  
The Detroit Copper Mining Company of Arizona  
a corporation, the assignee of has this

who on the 16<sup>th</sup> day of January, 1911, located the Dos Cuñas  
mining claim situated in the Copper Mountain Mining District, Greenlee  
County, Arizona, the location notice of which claim is of record in the office of the Recorder of said  
County in Book \_\_\_\_\_, Record of Mines, page \_\_\_\_\_, has on this \_\_\_\_\_ day of  
\_\_\_\_\_, 191\_\_\_\_, made an amended location of said claim, by virtue of which  
and of said original location, it claims as a mining claim the following described lead, lode or vein of  
mineral bearing earth, rock or quartz and premises situated in the  
Mining District, in the County of \_\_\_\_\_ Arizona, to-wit:

The name of said claim is the Dos Cuñas Mining Claim. The name of  
the locator is The Detroit Copper Mining Company  
of Arizona  
The length of the claim along said vein or lode is 1240 feet; the width of said claim is 65  
feet on each side of the middle of said lead, lode or vein. The general course of said lode and claim  
is Easterly to westerly. The distance from the Point of Discovery to  
the East end center monument of said claim is 218 feet. The distance from said  
Point of Discovery to the West end center monument is 1022 feet.

This Location Notice is posted in the monument of stones erected at said Point of Discovery upon  
said claim, which monument is hereinafter referred to as the Location Monument.

Said claim is bounded and described as follows, to-wit: Beginning at the monument of stones  
placed at the center of the East end of the claim, which monument is 218 feet  
East from said Location Monument; thence S 3° 26' W 65  
feet to a 4x6" post, being the Southeast corner of the claim, thence N 82° 34' W  
1240 feet to a 4x6" post, being the Southwest corner of the claim; thence  
N 3° 26' E 65 feet, to a monument of stones, being the center of the West end of the  
claim; thence again N 3° 26' E 65 feet to a 4x6" post, being  
the Northwest corner of the claim; thence S 82° 34' E 1240  
feet to a 4x6" Post, being the Northeast corner of the claim; thence S 3° 26' W  
65 feet to the place of beginning.

To more fully identify the claim its general location is described as follows:

The northeast corner of this claim is identical  
with the southeast corner No 4 of U.S. Mineral Survey  
No 1480 New Mexico lode

amended and posted on the ground  
this 16<sup>th</sup> day of  
January 1911

The Detroit Copper Mining Company  
per C. E. Mills

County of \_\_\_\_\_

I, \_\_\_\_\_, County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at \_\_\_\_\_ o'clock, \_\_\_\_\_ M., on this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, and duly recorded in Book No. \_\_\_\_\_ of \_\_\_\_\_ Records of \_\_\_\_\_ County, Arizona, at pages \_\_\_\_\_

WITNESS my hand and official seal the day and year first above written.

County Recorder

783  
#391

Recorded Location  
Notice

Dos Cuñas

Dated Jan 16<sup>th</sup> 1911

Filed and recorded at request of

Detroit Cap. Mfg. Co.

Feb 27<sup>th</sup> A. D. 1911

at 9 o'clock A.M.

Book #1 Record of Mines

Pages 84 and 85

Geo. T. Bradfield  
County Recorder.

By W. S. Bradfield  
Deputy Recorder.



JUL 14 1897

# Notice of Mining Location.

## QUARTZ CLAIM.

To All Whom It May Concern:

This mining claim, the name of which is the North Dakota Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by The Detroit-Copper Mining Company of Arizona the undersigned, on the 27<sup>th</sup> day of January 1898.

The length of this claim is fifteen hundred feet, and it claim is 300. feet in a S. 18° 20' W. direction and 1200. feet in a N. 18° 20' E. direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300. feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the S. 18° 20' W. to the N. 18° 20' E.

The claim is situated and located in the Copper Mountain Mining District, in Graham County, in the Territory of Arizona, about and its S. E. in a Corner is also the direction from N. W. Corner of the Gen. Miles lode U. S. Mineral Survey No. 1033, A.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at A. Monument of stone

at a point in a S. 18° 20' W. direction 300. feet from the discovery shaft (at which this notice is posted), being in the center of the South end line of said claim; thence N. 71° 40' W. 300 feet to a Monument of stone & Post, being the S. W. corner of said claim; thence N. 18° 20' E. 750. feet to a Monument of stone at the center of the West side line of said claim; thence N. 18° 20' E. 750. feet to a Post being at the N. W. corner of said claim; thence S. 71° 40' E. 300. feet to a Monument of stone at the center of the North end of said claim; thence S. 71° 40' E. 300. feet to a Post, being at the N. E. corner of said claim; thence S. 18° 20' W. 750. feet to a Monument of stone being at the center of the East side line of said claim; thence S. 18° 20' W. 750. feet to a Post at the S. E. corner of said claim; thence N. 71° 40' W. 300. feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines," approved March 20th, 1895.

Dated and posted on the ground this 27<sup>th</sup> day of January 1898.

Witness  
J. B. McDonald

The Detroit-Copper Mining Company of Arizona  
by C. E. Mills its Agent





# Notice of Mining Location.

## QUARTZ CLAIM.

To All Whom It May Concern:

This mining claim, the name of which is the South Dakota Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by The Detroit Copper Mining Company of Arizona by C. E. Mills its Authorized Agent the undersigned, on the 27<sup>th</sup> day of January 1898.

The length of this claim is Fifteen hundred feet, and it claims 600 feet

in a N. 18° 20' E direction and 900 feet in a S. 18° 20' W direction from

the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each

side of the center of said claim. The general course of the lode deposit and premises is from the S. 18° 20' W to the N. 18° 20' E 40

The claim is situated and located in the Copper Mountain Mining District, in Graham County, in the Territory of Arizona, about West of the Gen. in a Miles lode U.S. Min direction from Survey No 1033 A. with a common side line

The surface boundaries of the claim are marked upon the ground as follows: Beginning at Center of North end line

at a point in a N 18° 20' E direction 600 feet

from the discovery shaft (at which this notice is posted), being in the center of the North end line of said claim; thence S. 78° 40' E 300 feet to a Post & Mound of

Stones, being the N. E. corner of said claim; thence S. 18° 20' W 750 feet to a Mound of stones at the center of

the East side line of said claim; thence S. 18° 20' W 750 feet to a Post & Mound of stones being at the S. E. corner of said

claim; thence N. 78° 40' W 300 feet to a Mound of stones at the center of the South end of said claim; thence N. 78° 40' W 300

feet to a Post & Mound of stones, being at the S. W. corner of said claim; thence N. 18° 20' E 750 feet to a Mound of stones

being at the center of the West side line of said claim; thence N. 18° 20' E 750 feet to a Post & Mound of stones at

the N. W. corner of said claim; thence S. 78° 40' E 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines," approved March 20th, 1895.

Dated and posted on the ground this 27<sup>th</sup> day of January 1898

Witness  
J. B. McDonald

THE DETROIT COPPER MINING CO. OF ARIZONA.

per C. E. Mills its Agent



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

February 28, 1918

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 LA MARIA, EL CAPITAN, MOHICAN, DOS CUNAS, NORTH DAKOTA, SOUTH DAKOTA LODES.

situate in COPPER MOUNTAIN

Mining District, GREENLEE County, ARIZONA

in Sections 8 & 9, un§ Township No. 4 S., Range No. 29 E., and

designated as Survey No. 3414, 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 improved each of said mining claims by claimant or its grantors, and that said improvements consist of 2 shafts, 4 tunnels, 5 cuts and 2438 ft. of drifts, total value \$52,980.

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.

4-687.

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,

February 28, 1918.

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

LA MARIA, EL CAPITAN, MOHICAN, DOS CUNAS, NORTH DAKOTA, SOUTH DAKOTA LODES.

situate in COPPER MOUNTAIN mining district,

GREENLEE County, ARIZONA.

in Section s 8&9, uns., Township No. 4 S., Range No. 29 E.

, designated as Survey No. 3414

executed by E. T. Morton, United States Mineral

Surveyor, August 4-13, 1917, under my instructions dated

July 16, 1917, 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.

*Francis P. Frost*

U. S. Surveyor-General for Arizona