MINERAL SURVEY No. 3553

	Arizona Lano	. Distitut.
FII	ELD NOTES	
OF THE SUR	VEY OF THE MINING CLAIN	1 OF
Phelps	Dodge Cornoration	
	KNOWN AS THE	
GREAT NORTHERN,	GRIZZLEY, PERU Lodes	
	Copper Mountain	Mininø Distric
	ship 4 South, R	
),15 & 16Uns, Town		ange 29 E. G.&.S.
),15 & 16Uns, Town	nship 4 South , R ns dated February 26 by E.T.Mort	ange 29 E. G.&.S, 1919.
yed under instruction	nship 4 South , R ns dated February 26 by E.T.Mort	ange 29 E. G.&.S. , 19 ¹⁹ U. S. Mineral Surveyo
yed under instruction Claim located See	nship 4 South , R ns dated February 26 by E.T.Mort	Cange 29 E. G. & S. , 19 ¹⁹ U. S. Mineral Surveyor , 19
yed under instruction Claim located See Survey commenced	nship 4 South , R ns dated February 26 by E.T.Mort	Cange 29 E. G.&.S. , 19 ¹⁹ U. S. Mineral Surveyo , 19
yed under instruction Claim located See Survey commenced Survey completed	nship 4 South , R ns dated February 26 by E.T.Mort location notices March 15	Cange 29 E. G. & S. , 1919 U. S. Mineral Surveyo , 19 , 1919 , 1919
yed under instruction Claim located See Survey commenced Survey completed Address of claimans	ns dated February 26 by E.T.Morte location notices March 1	Cange 29 E. G.&.S. , 19 ¹⁹ U. S. Mineral Surveyor , 19 , 19 ¹⁹ , 19 ¹⁹

Minus SURVEY NO. 3553

Feet

Great Northern Lode

Beginning at Cor. No. 1.

Identical with Cors. Nos. 7 and 4 Sur. No. 1171 Montana and Sur. No. 1512 Copper Cross lodes respectively.

A porphyry stone 6 x 12 x 24 ins. set 12 ins. in the ground, with a mound of stone alongside, chiseled cross (X) G N 1-3553, whence a cross (X) and B R 1-3553 chiseled on porphyry 6 x 8 ft., facing East bears S 50° W.

8.3 ft. U. S. L. M. No. 1654 bears S. 75° 51' W. 2266.7 ft. Thence N. 49° 49' E.

- 368.44 Intersect lines 6-1 and 2-3 Sur. No. 1512 Copper Cross and Chambone lodes at N. 28° 44' W. 331.19 ft. and 309.29 ft. from Cors. Nos. 6 and 3 respectively.
- 390. Intersect gulch, course S.E.
- 834.35 Intersect line 3-4 Sur. No. 1512 Trinket lode at N. 61° 02' W. 17.79 ft. from Cor. No. 3.
- 933.39 Intersect line 1-2 Sur. No. 1711 Indiana lode at S. 64°

 08' E. 152.94 ft. from Cor. No. 1 and N. 64°08' W. 24.96

 ft., 41.64 ft. and 625.46 ft. from its intersections with

 line 2-3 Sur. No. 1512 Trinket lode, its intersection

 with line 3-4 Sur. No. 1512 Chambone lode and Cor. No. 2

 respectively.
- 982.21 Intersect line 4-1 Peru lode of this survey at S. 38°38'

 E. 29.04 ft. from Cor. No. 1 and N. 38°38' W. 25.14 ft.

 and 571.06 ft. from its intersection with line 2-3 Sur.

 No. 1512 Trinket lode and from Cor. No. 4 respectively.
- 1042.51 Intersect line 3-4 Sur. No. 1512 Chambone lode at N. 27° 25' E. 65.96 ft., 99.78 ft. and 795.49 ft. from its intersection with line 2-3 Sur. No. 1512 Trinket lode and line 4-1 Peru lode of this survey, and its intersection with line 1-2 Sur. No. 1711 Indiana lode and Cor. No. 3 respectively.
- 1173.80 Intersect line 4-1 Sur. No. 1711 Indiana Iode at N. 74° 37' E. 333.23 ft. from Cor. No. 1.

Interdect roles course S.I.

To Com. Mo. 4.

1500 To Cor. No. 2.

Feet

A quartz porphyry stone 6 x 12 x 30 ins. set 12 ins. in the ground, with a mound of stone alongside, chiseled cross (X) G N 2-3553 No bearings available. and Sur. Mo. 1512 Copper

Thence S. 38°45' E.

- 56.71 Intersect line 2-3 Sur. No. 1512 Trinket lode at N. 53° 18' E. 233.46 ft., 518.06 ft., 556.21 ft. and 659.1 ft. its intersection with line 3-4 Sur. No. 1512 Chambone lode and line 4-1 Peru lode of this survey, its intersection with line 1-2 Sur. No. 1711 Indiana lode, and Cor. No. 3 respectively.
- 149.16 Intersect line 1-4 Sur. No. 1711 Indiana lode at N. 74° 37' E. 254.16 ft. and 688.3 ft. from its intersection with line 2-3 Sur. No. 1512 Trinket lode and Cor. No. 1 590. Intersect guleh. course respectively.
- N.E. end center of the location and lode. 300
- 573 Intersect line 3-4 Peru lode of this survey at N. 50° E. 933 39 Intersect itse 1-2 1 518.6 ft. from Cor. No. 4.
- 600 To Cor. No. 3.

AL. 64 ft. and 625.46 it. fro A quartz porphyry stone 12 x 24 x 24 ins. set 12 ins. in the ground, with a mound of stone alongside, chiseled with Jane 9-6 sail alim cross (X) GM 3-3553. respectively.

08 M. 152.94 ft. from Cor.

TO COT. No. 2.

No bearings available.

- .11 41.33 .W '85°85 .M Mms Thence S. 49°491 W. 236.89 Intersect line 2-3 and 1-2 Surs. Nos. 1711 and 3057 Indiana and Tale lodes at N. 74°37' E. 66.85 ft. and 12.07 ft. from Cors. Nos. 2 and 1 respectively.
- 239.85 Intersect line 4-1 Sur. No. 1710 Famous lode at N. 82°09' E. 9.46 ft. from Cor. No. 1.
- 245.58 Intersect line 4-1 Sur. No. 3057 Talc lode at S. 64º19t a .on .E. 5.552ft. from Cor. No. 1: 1019, et a. 25 11 8. 5.24
- 249.20 Cor. No. 2 Grizzley lode of this survey, also intersect line 1-2 Sur. No. 1710 Famous lode, at S. 25°11' E. 5.24 1173.80 Intersect line ft. from Cor. No. 1 . 100 mort . Jt 88.888 . 178
- Intersect gulch course S.E. 1049
- To Cor. No. 4. 1500

Feet

TTORE

Tenes S. 49 Age y. Identical with Cor. No. 1 Grizzley lode of this survey and Cors. Nos. 8 and 10 Sur. No. 1171 Montana and Colorado lodes respectively.

An iron rod in place 3 ft. high, with a pine post 4 ins. square 3 ft. high, with a mound of stone alongside. Post scribed G 1-G N 4-3553.

TAG. 32 Intersect lines 2-5 and 4-

No bearings available.

8. 80°58 B. 1.0 Thence N. 38°45' W.

300 S.W. end center of the location and lode.

Cor. No. 5 Sur. No. 1512 Copper Cross lode, Cor. No. 6 338 said Copper Cross lode bears N. 61°16' E. 315.5 ft.

To Cor. No. 1 the place of beginning. 600 seid rod G 4-Copp of

Grizzley lode.

Beginning at Cor. No. 1.

Identical with Cors. Nos. 8 and 10 Sur. No. 1171 Montana and Colorado lode, respectively, and Cor. No. 4, Great Northern Lode of this survey, heretofore described. U. S. L. M. No. 1654 bears S. 88°05' W. 2575 ft.

Thence N. 49°49' E.

Intersect gulch course S.E. In the state of 451

To Cor. No. 2. 1250.8

> On line 3-4 Great Northern lode of this survey. On line 1-2 Sur. No. 1710 Famous lode, at S. 25°11' E. 5.24 ft. from Cor. No. 1. X d. I besome thet

Jeru lode.

A quartz porphyry stone 12 x 12 x 24 ins. set 12 ins. in the ground, with a mound of stone alongside, chiseled cross (X) G 2-3553.

No bearings available.

N. 74°37' K. 255.0

Thence S. 38.45 E.

N.E. end center of the location and lode. 300

600 To Cor. No. 3.

> A cross (X) and G 3-3553 chiseled on quartz porphyry bedrock 3 x 4 ft. 3 ft. high facing East, with a mound of stone alongside. On line 1-2 Am H-1710 Famous lode A 25°11'E. 5.24 ft from con 21.1 No bestings available. No bearings available.

respectively.

Feet Thence S. 49°49 W. 145.71 Intersect line 1-2 Sur. No. 1710 Famous lode at S. 25°11' E. 626.21 ft. from Cor. No. 1. 146.15 Cor. No. 4 Sur. No. 2886 Ione lode, Cor. No. 3 said Ione lode bears S. 49°55' W. 600 ft. Intersect gulch course East. 426 746.32 Intersect lines 2-3 and 4-1 Sur. No. 2886 Ione and Old Nick lodes at S. 30°53' E. 1.06 ft. from Cors. Nos. 3 and 4 respectively. itsool and to games bee . . . B To Cor. No. 4. 1250.8 Identical with Cor. No. 11 Sur. No. 1171 Colorado lode. An iron rod in place, 3 ft. high with a mound of stone alongside. At the bottom of said rod G 4-3553 chiseled on quartz porphyry bedrock 8 x 10 ft. facing North. Thence N. 38°45' W. Intersect line 3-4 Old Nick lode, Sur. No. 2886, at S.499 55 W. 504.56 ft. from Cor. No. 4. Intersect gulch, course N.E. 255 S.W. End center of the location and lode. 300 To Cor. No. 1, the place of beginning. 600 Beginning at Cor. No. 1. A cross (X) and P 1-3553 chiseled on quartz porphyry bedrock exposed 1 x 1.5 x 2 ft. facing East with a mound of stone alongside. SI x SI enots writing strang & U. S. L. M. No. 1654 bears S. 67°33' W. 3170.4 ft. Thence N. 50°00' E. 128.92 Intersect lines 4-1 Sur. No. 1711 Indiana lode and 3-4 Sur. No. 1512 Chambone lode at N. 74°37' E. 265.09 ft. and N. 27°25' E. 870.56 ft. from Cors. Nos. 1 and 3 respectively. 600 To Cor. 10. 3. 541.87 To Cor. No. 2. A pine post in place 4 ins. square 3 ft. high with a mound of stone scribed P 2-3553.

Thence S. 38°38' E.

No bearings available.

Feet

10.79 Intersect N.W. side line of Tract A.

- 1512 Trinket lode at N. 53°18' W. 683.43 ft. from Cor.
 No. 3, also, line 1-2 Sur. No. 2975 White Glance No. 2
 lode at N. 53°18' E. 22.81 ft. from Cor. No. 1.
- 187.19 Intersect line 4-1 Sur. No. 1711 Indiana lode and line
 4-1 Sur. No. 2975 White Glance No. 2 lode at N. 74°37' E.
 714.39 ft. and S. 51°10' E. 105.06 ft. from Cors. Nos. 1
 and 1 respectively.
- 300.05 N.E. end center of the location and lode.
- A pine post in place 4 ins. square 3 ft. high with a mound of stone scribed P 3-3553.

 No bearings available.

284.0 --- Thence S. 50°00 bow. gascarsal

- 23.27 Intersect line 2-3 Great Northern lode of this survey at S. 38°45' E. 573 ft. from Cor. No. 2.
- 321.38 Cor. No. 2 Sur. No. 1711 Indiana lode.
- 541.87 To Cor. No. 4.

 A quartz porphyry stone 6 x 12 x 24 ins. set 12 ins. in the ground with a mound of stone alongside chiseled cross (X) P 4-3553.

 No bearings available.

Thence N. 38°38' W. The

- 300.05 S.W. end-center of the location and lode.
- 467.4 Intersect line 1-2 Sur. No. 1711 Indiana lode at N. 64° 08' W. 512.02 ft. from Cor. No. 2.
- 545.92 Intersect lines 3-4 and 2-3 Sur. No. 1512 Chambone and Trinket lodes at N. 27°25' E. 729.53 ft. and N. 53°18' E. 141.04 ft. from Cors. Nos. 3 and 3 respectively.
- 571.06 Intersect line 1-2 Great Northern lode of this survey at S. 49°49' W. 517.79 ft. from Cor. No. 2.
- 600.1 To Cor. No. 1, the place of beginning.

Variation at all corners 13°50' E.

LODE LINES

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

Sur. (0. 8886 01d Nick Acde - - - - -

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	6.
	Great Northern lode, 357 ft. S. 49°49' W. and 1153 ft.
	N. 49°49' E dosil edil edis . 1.2 Jacanatal 4.38
	Grizzley lode, 10 ft. S. 49°49' W. and 1240.8 ft. N. 49°
	490E. S. also line 1-2 Bur. No. 2975 Bite C 4904
	Peru lode, 18 ft. N. 50° E. and 523.87 ft. S. 50° W.
	bun stol angibul 11vl .one and 1-4 enil topsretul 21.vel
718	Total area Great Northern lode 20.655
	Area in conflict with:
	Sur. No. 1512 Copper Cross lode 2.308
	Sur. No. 1512 Chambone lode 2.345
	Sur. No. 1512 Trinket lode 0.566
	Sur. No. 1512 Trinket lode (exclusive of
	its common conflict with Sur. No. 1512
	Ohambone lode) 0.469
OV	Sur. No. 1711 Indiana lode 5.288
	Sur. No. 1710 Famous lode 0,001
	Sur. No. 3057 Talc lode 0.001
	Sur. No. 3057 Talc lode (exclusive of its
- 00	common conflict with Sur. No. 1710 Fam-
-	ous lode) 0.000
	Tract A 0.322
	Sur. No. 1512 Trinket lode (exclusive of
	its common conflict with Tract A) 0.245
٠	Sur. No. 1711 Indiana lode (exclusive of
	its common conflict with Sur. No. 1512
50	Chambone lode)
la:	Sur. No. 1711 Indiana lode (exclusive of
07	its common conflict with Sur. No. 1512
	Trinket lode) 5.091
	Sur. No. 1711 Indiana lode (exclusive of
	its common conflict with Sur. No. 1512
	Chambone and Trinket lodes) 5.084
	Total area Grizzley lode 17.223
6	Area in conflict with:
	Sur. No. 1710 Famous lode 1.003
	Sur. No. 2886 Ione lode 0.007
	Sur. No. 2886 Old Nick lode 0.018

Total area Peru lode 7.463
Area in conflict with:
Great Northern lode of this survey 6.803
Great Northern lode of this survey (exclu-
sive. of its common conflict with Sur.
No.1512 Trinket lode) 6.317
Sur. No. 1512 Trinket lode 2011 0.868
Sur. No. 1512 Chambone lode 0.080
Sur. No. 1512 Trinket lode (exclusive of
its common conflict with Sur. No. 1512
Chambone lode) 0.788
Sur. No. 1711 Indiana lode 5.393
Sur. No. 2975 White Glance No. 2 lede 0.027
Tract A 0.441
Tract A. (exclusive of its common conflict
with Great Northern lode of this survey) 0.119
Sur. No. 1512 Trinket lode (exclusive of
its common conflict with Tract A) 0.427
Sur. No. 1711 Indiana lode (exclusive of
its common conflict with Sur! No. 1512
Trinket lode)
Sur. No.1711 Indiana lode (exclusive of its
common conflict with Sur. No. 1512 Cham-
bond lode) 5.313
Sur. No. 1711 Indiana lode (exclusive of
its common conflict with Sur. No. 1512 Chambone and Trinket lodes) 5.113
Great Northern lode of this survey (exclu-
sive of its common conflict with Tract A) 6.481
Great Northern lode of this survey (exclu-
sive of its common conflict with Sur. No.
1512 Chambone lode) 6.785 Great Northern lode of this survey (exclu-
sive of its common conflict with Sur. No.
1711 Indiana lode) 1.741
Great Northern lode of this survey (exclu-
sive of its common conflict with Sur. No.
1512 Trinket and Chambone lodes) 6.317

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Great Northern lode of this survey (excluof its common conflict with Sur. No. 1711 Indiana lode and Sur. No. 1512 Chambone lode) - - - - - -1.741 / Great Northern lode of this survey (exclusive of its common conflict with Sur. No.-1711 Indiana lode and Sur. No. 1512 Great Northern lode of this survey (exclusive of its common conflict with Sur. No. 1711 Indiana lode and Sur. No. 1512 Trinket and Chambone-lodes and Tract A) ---- 1.431

TRACT A. FEBRUARY ON . THE

8.8.3 Beginning at the intersection of lines 2-3 Sur. No.1512 Trinket lode, and 2-3 Peru lode of this survey; thence S. 53°18' W. 257.79 feet to the intersection of lines 2-3 and 4-1 Sur. No. 1512 Trinket lode and Sur. No. 1711 Inthence S. 74°37' W. 118.76 ft. diana lode respectively; thence N. 48°25' E.367.09 ft. to the interto a point; section of line 2-3 Peru lode of this survey and the original north side line of White Glance No. 2 lode; thence S. 38°38' E. 74.61 ft. to the place of beginning, 8. Containing 0.441 acres. _ . (abol jessir!

Note: Tract A. is identical with the conflict of the original White Clance No. 2 lode and Sur. No. 1512 Trinket lode, exclusive of its common conflict with Sur. No. 1711 Indiana lode and Sur. No. 1512 Chambone lode, that is in conflict with this survey.

LOCATION.

This survey is located in the Copper Mountain Mining District, Greenlee County, Arizona approximately in Sections 9, 15 and 16 Uns. T. 4 S. R. 29 E., G. & S. R. B. & M.S diliv toilituos nommos ati to sviz

EXPENDITURE: OF FIVE HUNDRED DOLLARS.

I certify that the value of 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

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said improvements consist of:

Great Northern Lode.

No. 1. The discovery showing mineral in place is on the lode line 357 ft. from line 4-1.

No. 2. A shaft the center of which bears from a point on line 1-2 923 ft. from Cor. No. 1 S. 60° E. 102 ft. 5 x 6 ft. 10 ft. deep.

Value - - - - - - - - \$100.00

Note: An undivided 1/17 interest in the No. 2 working

on Sur. No. 3331 Idaho lode is accredited to this lode.

Value 1/17 interest - - - - \$1500.00

Note: An undivided 1/17 interest in the No. 2 working on Sur. No. 3331 Idaho lode is accredited to each lode of this survey as hereinafter explained.

Grizzley Lode.

No. 1. The discovery showing mineral in place is on the lode line 10 ft. from line 4-1.

Note: An undivided 1/17 interest in the No. 2 working on Sur. No. 3331 Idaho lode is accredited to this lode.

Value 1/17 interest - - - - - \$1500.00

Peru Lode.

No. 1. The discovery cut the fact of which is on the lode line 18 ft. from line 2-3, 5 x 12 ft. running N. 35° E. 13 ft.

Note: An undivided 1/17 interest in the No. 2 working on Sur. No. 3331 Idaho lode is accredited to this lode.

This claim is a part of the Yankee Group, claimant herein, which comprises 17 lodes, viz: Sur. No.3331 Bunker Hil,
California, Idaho; Sur. No.1171 Wellington, Montana, Colorado; Sur. No.1710 Famous, Meddler; Sur. No.1711 Indiana; Sur.No.3057 Talc; Sur.No.1029 A.Annie Ryerson, Morenci; Sur. No.40 Yankee; Sur. No.39 Montezuma, Great
Northern, Grizzley and Peru lodes of this survey.

Upon inspection of the contour map filed with Sur. No. 3331 in which part of this same improvement was used it

can readily be seen that the No. 2 working on said Idaho lode is conveniently located to develop the different lodes of this group at depth by drifts driven from different levels.

From Cor. No. 1 Great Northern lode of this survey the center of the No. 2 shaft on Sur. No. 3531 Idaho lode bears S. 83°30' W. 978 ft., 6 x 8 ft. 270 deep. From the bottom of this shaft a drift 6 x 7 ft. running S. 30°30' W. 30 feet, thence S. 26°25' E., 181 ft., thence S. 85° 10' E. 468 ft., thence S. 48° E. 70 ft., thence S. 67° E. 20 ft., thence S. 31° E. 128 ft., thence N. 48° E. 48 ft., thence N. 64° E. 320 ft.

Value - - - - - - \$25,500.00

Note: Over Five Hundred Dollars worth of work has been done in the breast of the last drift since the Peru lode was located.

Note: I have been reliably informed that the discovery shaft on the Grizzley lode of this survey has been obliterated by tailings dump which is near the junction of the two gulches shown on map of this survey. See affidativity attached.

ADJOINING LODES.

This survey is bounded on the North by Sur. No. 1512

Copper Cross, Chambone and Trinket lodes; on the East

by Sur. No. 2975 White Glance No. 2 lode, J. Leszynsky

claimant, Sur. No. 1711 Indiana lode, Sur. No. 3057 Talc

lode, Sur. No. 1710 Famous lode, claimant herein; On the

South by Sur. No. 2886 Ione and Old Nick lodes, The

Arizona Copper Company claimant; and the West by Sur.

No. 1171 Colorado and Montana lodes, claimant herein.

THE INSTRUMENT. COMMENT.

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.

Malw belie was roods REPORT. O moit cegani mega

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

set and scribed.

Sur. No. 1171 Colorado and Montana lodes:

Cors. 8, 10 and 11 are iron pins set in bedrock with the proper markings alongside. No. 7 has been obliterated. Its position was established by using bearing rock for Cor. No. 4 Sur. No. 1512 Copper Cross lode, which was identical with said Cor. No. 7.

Sur. No. 1512 Copper Cross, Chambone and Trinket lodes:
All corners are posts properly set and scribed except
Cor. No. 4 of the Copper Cross lode, which has been obliterated. Position determined by its bearing rock.

Sur. No. 2975 White Glance No. 2 lode:

All corners are posts properly set and scribed.

Sur. No. 1711 Indiana lode:

All corners are posts properly set and scribed.

Sur. No. 3057 Talc lode:

Cors. Nos. 2 and 4 are posts properly set and scribed.

Cor. No. 1 is a cross (X) on bedrock.

Sur. No. 1710 Famous lode:

rock properly chiseled.

Cor. No. 1 is a cross (X) on bedrock. Cor. No. 4 is a post properly set and scribed. The witness corner for Cor. No. 2 is a cross (X) on rock with post alongside properly scribed.

Sur. No. 2886 Ione and Old Nick lodes:

Ione lode: Cor. No. 2 is a post properly set and scribed; Cor. No. 3 is a cross (X) on a rock properly chiseled, and the witness corner for Cor. No. 4 is a cross (X) on

Old Nick lode: Cors. Nos. 1, 3 and 4 are stones properly chiseled.

The survey of each lode of this location is identical with the respective locations as staked upon the ground. The differences between these field notes and returns on previous surveys are due to errors in the latter. All end center monuments are mounds of stone. All corner points on posts are marked with tacks; on stones or rods with crosses (X).

Cors. Nos. 2 and 3 of Peru lode of this survey are identical with the original N. E. and S. E. corners of odt di the Great Northern lode as excluded from Sur. No. 1711 Indiana lode, and the side lines are parallel to the original side lines of the Great Northern lode. 4 Sur. No. 1512 Copper Cress lode, which : sebol Jeinket lodes: Surveyor. All corners are needs properly set and serious IIA Cor. Mg. 4 of the Copper Gross lode, which has been obliterated. Position determined by its besting rook. Sur. No. 2975 White Glarce No. 2 lode: All corners are contently set and seribed. Sur. No. 1711 Indiana lede: All corners are posts properly set and acribed. our. No. 3057 Tale lade: Core. Nos. 2 and 4 are posts properly act Cor. Eb. 1 is a cross (X) on bedrock. Sur. Ho. 1710 Pamous lode: Cor. No. 1 is a cross (X) on bearock. Cor. No. 4 is a post properly set and scribed. The witness corner for Cor. Ho. 8 is a cross (I) on rook with rost alongside .bediros ylregora Sur. No. 2386 Jone and Old Mick lodge: lone lode: Cor. No. 2 is a post properly set and scribed Cor. No. S is a cross (X) on a root properly chiscled. and the witness corner for Cor. To. 4 is a cross (X) on rook properly oldered. Old Mice lode: Core. Nos. 1. 3 and 4 are stones roperly .holesido with the respective locations as staked upon the ground. The differences between these field notes and returns on revious surveys are due to errors in the istter. end center monuments are mounds of stone. All corner

points on posts are marked with tacks; on stones or rods

. (X) sessoro notiv

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals e	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 i	notes of the survey of the mining claim of
Phelms Do	odge Corporation
known as the Great Northern, Griz	zley Peru lodes
and showing the respective capacities in whi	
	Pablo Gonzales , Chainman.
	, Chainman.
	, Awman.
	, Flagman.
TAINIAI OACS	ITO OF A COLOR LAIMS
FINAL OAT	HS OF ASSISTANTS.
and	, do solemnly swear that we assisted E.T. Morton
, United Sta	tes Mineral Surveyor, in marking the corners and surveying
the boundaries of the mining claim of	Phelps Dodge Corporation
known as the <u>Great Northern Gr</u>	
	aving been surveyed by said mineral surveyor and under his
	ll respects, to the best of our knowledge and belief, faithfully
	${\bf ndarymonumentsestablishedaccordingtolawandtheinstruc-}$
tions furnished by the United States Surveyor	
	Pablo Gorgala, Chainman.
	, Chainman.
	, Awman.
	, Flagman
Subscribed and sworn to	by the above-named persons before me this 6 th
day of <u>May</u>	1918
	Davis Of Change
	2 p- (1) 00
	6-1048

My Commission exeires Feb. 20-1923

FINAL OATH OF U.S. MINERAL SURVEYOR.

	I, U. S. Mineral Surveyor,
	do solemnly swear that, in pursuance of instructions received from the United States
	Surveyor General for Arizona , dated
	February 26, 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
	Great Northern Grizzley, Peru lodes ,
	situate in Copper Mountain Mining District,
	Greenlee County, Arizona , in Section
, :	15 & 16 Uns, Township No. 4 S., Range No. 29 E. G.& S.R.B.& M.
	and designated as Survey No. 3553, 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 per-
	petuated in strict accordance with the law, official regulations and instructions there-
	under; 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 oritsgrantors
	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.
	le. J. Motton
	U. S. Mineral Surveyor.
	Subscribed and sworn to by the said <u>E.T.Morton</u>
	U. S. Mineral Surveyor, before me L.T. Payne, Notary Public
	this 6 th,
	day of, 1919
	Louis . Cause
	2 1 (1) 00
ė.	6-1044 Wolany Culter

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

	-	Phoenix	. Arizona,		
			Mag	<u>y 3, </u>	., 1920
I, U. S. Surveyor	-General for	Arizona			
do hereby certify that	the foregoing tra	nscript of the Field	Notes, return and	approval of	the survey
of the mining claim of	f	Phelps Dod	ge Corporati	on	
known as the		THERN, GRIZZI			
situate in	Coppe	er Mountain			
Mining District, G	reenlee		County, Ariz	ona.	
in Section 9, 15, 8	c. 16 Township N	o. 4 South,	Range No29 E.	.G&SRB&M	, and
designated as Survey	No. 3553	, has been co	rrectly copied fron	n the originals	on file in
this office; that said]	Field Notes furnish	h such an accurate	description of said	mining claim	as will, if
incorporated into a par	tent, serve fully to	identify the premis	es, and that such r	eference is mad	de therein
to natural objects or p					
And I further cer or for ments made upon said	tify that five hun each of I mining claim by	dred dollars' worth	of labor has been	n expended or	improve-
consist ofa					
lode, Sur. No.	3331, Va	lue \$4700.00			
				***************************************	***************************************

			*************	******************	************
and that no portion of	said labor or imp	rovements has been	included in the es	timate of ever	anditures
upon any other claim.				or expe	Engrures
I further certify th	at the plat thereof	f, filed in the U.S.	Land Office at P	loenim.	
Anizona		and in conformity			
		Fr	enk P. Trott		
6 1001	United	l States Surveyor-Gen	eral for Ari	zona.	

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,
	<u>мау 3</u> , ₁₉ 20
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 ofPhe	lps Dodge Corporation
	GRIZZLEY, PERU Lodes
	Mountain mining district,
	County, Arizona
in Section ⁹ , 15 & 16 Uns. , Tow	nship No. 4 South , Range No. 29 E. G.
S.R B & M , designated as Surv	ey No. <u>3553</u>
	on, U. S. Mineral
Surveyor, March 1-15	, 1919, under my instructions dated
February 26,	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. 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.	
	Frank Doff Toff

U. S. Surveyor General for Arizona.