

MINERAL SURVEY No. 4081

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

ANNA lode

Warren Mining District,

Cochise County, Arizona.

Section 13, Township 23 S, Range 24 E. G & S R B & M

Surveyed under instructions dated November 16, 1928

by Ralph L. Motz

U. S. Mineral Surveyor.

Claim located January 1, 1912, 19

Survey commenced November 19, 1928

Survey completed November 20, 1928

Address of claimant's Attorneys, Ellinwood & Ross, Box 1069, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 4081

Feet

ANNA lode

Beginning at Cor. No. 1, the N. W. Cor., identical with location and with Cor. No. 3 of Survey No. 2412 Sunflower lode and situated on line 1-2 of Survey No. 2412 Apache lode, a pine post 4 inches square 30 inches above ground in a mound of stones and scribed 1-4081 A, whence a quartzite ledge with 15 x 29 x 14 inches high exposure chiseled B R x 1-4081 brs N 41° 22' W 15.0 ft. and a second quartzite ledge with 17 x 21 x 10 inches high exposure with like chiseling brs S 66° 51' W 5.7 ft. and the Cor. of Secs. 11, 12, 13 and 14, T 23 S, R 24 E, G & S R B & M brs N 20° 09' W 821.2 ft.

thence S 83° 11' E

1500.0 along line 3-2 of Survey No. 2412 Sunflower lode, to Cor. No. 2, the N. E. Cor., identical with location and with Cors. 2, 3, and 3, of Survey No. 2412 Sunflower lode, Survey No. 2413 May Flower lode and Survey No. 3389 Warren lode respectively, a pine post 4 inches square x 30 inches above ground, scribed 2-4081 A, whence a sandstone ledge with 14 x 17 x 4 inches high exposure chiseled B R x 2-4081 brs N 9° 47' W 30.6 ft. and a sandstone ledge with 23 x 18 x 6 inches high exposure with like chiseling brs S 24° 10' E 32.6 ft.

thence S 11° 02' W

250.0 along line 3-2 Survey No. 3389 Warren lode to original location for the east end center being a mound of stones 3 feet high with 3 foot base

376.4 to Cor. No. 3, the S. E. Cor., identical with location and situated at intersection of line 3-2 Survey No. 3389 Warren lode and 4-5 Survey No. 3374 Rockland lode at N 11° 02' E 223.6 ft. from Cor. No. 2 and S 11° 02' W 376.4 ft. from Cor No. 3 of Survey No. 3389 Warren lode and N 83° 34' W 479.1 ft. from Cor. No. 5 and S 83° 34' E 1020.9 ft. from Cor. No. 4 of Survey No. 3374 Rockland lode, a pine post 4 feet long 4 inches square set 18 inches

in the ground in a mound of stones and scribed 3-4081
A, no bearings available

thence N 83° 34' W

1020.9 along line 5-4 of Survey No. 3374 Rockland lode to Cor.
No. 4, identical with Cor. No. 4 of Survey No. 3374
Rockland lode and situated on line 5-1 of Survey No.
3374 Black Ben lode at N 2° 04' W 574.0 ft. from Cor. No.
1, a pine post 4 inches square 30 inches above ground in
a mound of stones and scribed 4-4081 A, no bearings
available

thence N 2° 04' W

43.6 along line 1-5 of Survey No. 3374 Black Ben lode to Cor.
No. 5, identical with Cor. No. 5 of Survey No. 3374 Black
Ben lode, a pine post 4 inches square x 30 inches above
ground in a mound of stones and scribed 5-4081 A, whence
a sandstone ledge with 8 x 24 x 16 inches high exposure
chiseled B R x 5-4081 brs N 33° 47' E 4.8 ft. and a shale
ledge with 12 x 31 x 6 inches high exposure with like
chiseling brs N 75° 32' W 7.8 ft.

thence N 78° 20' W

468.5 along line 5-4 of Survey No. 3374 Black Ben lode to Cor.
No. 6, the S. W. Cor., identical with Cor. No. 2 of
Survey No. 2412 Apache lode and situated on line 4-5 of
Survey No. 3374 Black Ben lode at S 78° 20' E 1031.5 ft.
from Cor. No. 4 thereof, a pine post 4 inches square 30
inches above ground in a mound of stones and scribed
6-4081 A, whence the original location for the south
west corner being a mound of stones 3 feet high with 3
foot base brs S 11° 02' W 86.2 ft.

thence N 11° 02' E

50.0 along line 2-1 of Survey No. 2412 Apache lode to orig-
inal location for the west end center being a mound of
stones 3 feet high with 3 foot base

300.0 to Cor. No. 1, the place of the beginning.

LODE LINE

4

Survey No. 4081 (Con't)

The presumed course of the vein on this claim is from the west end center S 83° 11' E 1500.0 ft.

AREA

Total and Net Area Anna lode - - - - - 12.393 A

IMPROVEMENTS

I hereby certify that the value of the labor and improvements placed upon this claim by the claimant or its grantors is not less than five hundred dollars and that said improvements consist of:-

- | | | |
|-------|---|--------------------------|
| No. 1 | Discovery shaft 4 x 6 x 10 feet deep brs. from east end center on lode line 550 ft. | Value - - - - - \$ 60.00 |
| No. 3 | Open cut 5 x 9 x 10 feet long, with tunnel at face 4 x 6 x 11 feet long both brg N 15° E, mouth of open cut brs from Cor. No. 2 S 79° 45' W 598 ft. | Value - - - - - 150.00 |
| No. 2 | Open cut 4 x 7 x 6 feet long with tunnel at face 4 x 6 x 40 feet long both brg S 60° W, mouth of open cut brs from Cor. No. 3 N 68° 56' W 500.0 ft. | Value - - - - - 425.00 |
| No. 4 | Open cut 5 x 8 x 6 feet long with tunnel at face 4 x 6 x 10 feet long both brg N 15° E, mouth of open cut brs from Cor. No. 2 S 81° 45' W 619.0 ft. | Value - - - - - 125.00 |
| No. 5 | Shaft 4 x 6 x 10 feet deep brs. from Cor. No. 2 S 86° 30' W 641.0 ft. | Value - - - - - 60.00 |
| No. 6 | Shaft 5 x 7 x 15 feet deep brs from Cor. No. 2 N 88° 20' W 520.0 ft. | Value - - - - - 150.00 |
| | Total Value - - - - - | \$ 970.00 |

LOCATION

This survey is situated in Sec. 13, T 23 S, R 24 E, G & S R B & M, in the Warren Mining District, Cochise County, Arizona.

INSTRUMENT

This survey was made with a C. L. Berger & Sons No. 1 transit. The distances were measured with 100 and 300 foot steel tapes. The courses were deflected from the true meridian as determined in surveys Nos. 3374 and 3389. Magnetic variation $12^{\circ} 30'$ East at all corners.

ADJOINING CLAIMS.

North Survey No. 2412 Sunflower lode
 East Survey No. 3389 Warren lode
 South Survey No. 3374 Black Ben and Rockland lodes
 West Survey No. 2412 Apache lode.

REPORT

The Cor. of Secs. 11, 12, 13 and 14, T 23 S, R 24 E, G & S R B & M is an iron pipe with copper cap.

The corners of adjoining approved surveys are all pine posts properly set and scribed.

Ralph L. Moly

U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.

November 23, 1928.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Ralph L. Motz

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 ANNA lode

and showing the respective capacities in which they acted.

L. T. MC Elvenny, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

~~we~~ I. L. T. Mc Elvenny

and, do solemnly swear that we assisted Ralph L. Motz

....., United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Phelps Dodge Corporation

known as the ANNA lode

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

L. T. Mc Elvenny, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 23rd

day of November, 19 28

Charles R. Woods
Notary Public, in and for the County of
Cochise, State of Arizona.

GOVERNMENT PRINTING OFFICE
My commission expires May 23, 1929 6-1013

FINAL OATH OF U. S. MINERAL SURVEYOR

I, Ralph L. Motz, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated November 16, 1928,
I have, in strict conformity to the laws of the United States, the official regula-
tions and instructions thereunder, and the instructions of said Office Cadastral
Engineer, faithfully and correctly executed the survey of the Mining Claim of
Phelps Dodge Corporation, known as the
ANNA lode,
situate in Warren Mining District,
Cochise County, Arizona, in Section
13, Township No. 23 S, Range No. 24 E, G&SR&M
and designated as Survey No. 4081, as represented
in the foregoing field notes, which accurately show the boundaries of said mining claim
as distinctly marked by monuments on the ground, and described in the attached copy
of the location certificate, which was received by me from the Office Cadastral Engi-
neer with said instructions, and that all corners of said survey have been established
and perpetuated in strict accordance with the law, official regulations and instruc-
tions 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 in-
cluded in the estimate of expenditures upon any other claim.

Ralph L. Motz
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me Charles R. Woods, Notary Public
this 23rd
day of November, 1928

Charles R. Woods
Notary Public, in and for the County
of Cochise, State of Arizona.
My commission expires May 23, 1929

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

December 20, 1928

I, Office Cadastral Engineer, at Phoenix, Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Phelps Dodge Corporation

known as the ANNA lode

situate in Warren

Mining District Cochise County Arizona

in Section 13, Township No. 23 S, Range No. 24 E., and

designated as Survey No. 4081, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant

or its grantors,

and that said improvements consist of 3 shafts, and 3 cut and tunnels,

total value \$970.

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.

John D. Adams

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

December 20, 1928

I, Office Cadastral Engineer at Phoenix, Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

Phelps Dodge Corporation

, known as the

ANNA lode

situate in Warren mining district,

Cochise County, Arizona

in Section 13, Township No. 23 S, Range No. 24 E

, designated as Survey No. 4081

executed by Ralph L. Motz, U. S. Mineral

Surveyor, November 19 - 20, 1928, under my instructions dated

November 16, 1928, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe, are hereby approved. The certified copy of the location certificate filed by the applicant for survey is on file in this office and a true copy of said certified copy of said location certificate is included and made a part of the transcript of the field notes.

Office Cadastral Engineer.