

July 22, 1927
Sept. 13

MINERAL SURVEY No. 4945

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

Moscow lode

Warren Mining District,

Cochise County, Arizona

Section 15, Township 23 S, Range 24 E G. & S. R. B. & M

Surveyed under instructions dated April 14, 1927

by Ralph L. Motz
U. S. Mineral Surveyor.

Claim located December 1, 1922

Survey commenced July 14, 1927

Survey completed July 16, 1927

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

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 4045

Feet	Moscow lode
	Beginning at Cor. No. 1, the N. E. Cor., identical with location and with Cors. 3, 2, 5 and 3 of Survey 1527 Am. Jocker lode, Survey No. 2003 Little Casino lode, Survey No. 2008 Miller lode and Survey No. 2250 Moscow lode, respectively, an iron pipe 4 feet long 3 inches in diameter set 18 inches in concrete with a copper tag on side marked 1-4045 M, whence the 1/4 Cor. between Secs. 10 and 15, T 23 S, R 24 E, G & S R B & M brs N 34° 40' E 1045.6 ft. (Cor. No. 4 Survey No. 1527 Am. Jocker lode brs N 48° 53' 30" W 599.3 ft. and the intersection of line 3-4 Survey No. 1527 Am. Jocker lode with lines 4-5 and 5-6 of Survey No. 1909 Chicago and Boston lodes respectively bears N 48° 53' 30" W 497.3 ft.) thence S 3° 51' W
5.0	to original location for the east end center, being a mound of stones 3 feet high with 3 foot base
10.0	to Cor. No. 2, the S. E. Cor., identical with location and with Cor. No. 4 of Survey No. 2250 Moscow lode, an iron pipe 4 feet long 3 inches in diameter set 18 inches in the ground in concrete with copper tag on side marked 2-4045 M thence N 71° 13' W
5.2	intersect lines 2-3 and 1-2 of Survey No. 1527 Am. Jocker lode and Survey No. 2003 Little Casino lode respectively at S 33° 53' W 10.0 ft. from Cors. 3 and 2 of Survey No. 1527 Am. Jocker lode and Survey No. 2003 Little Casino lode respectively
334.0	intersect line 1-2 of Survey No. 1909 Boston lode at S 54° 50' E 133.3 ft. from Cor. No. 1 thereof. Cor. No. 6 of Survey No. 1909 Boston lode brs N 12° 36' E 124.8 ft. from Cor. No. 1 thereof
621.2	to Cor. No. 3, the S. W. Cor., identical with location and with Cors. 2, 4 and 1 of Survey No. 1119 Old Repub-

lican lode, Survey No. 2009 Collins lode and Survey No. 2250 Moscow lode respectively, an iron pipe 4 feet long 3 inches in diameter set 18 inches in the ground in concrete with copper tag on side marked 3-4045 M. Also situated on line 4-1 of Survey No. 1527 Am. Jocker lode at S $33^{\circ} 53'$ W 246.0 ft. from Cor. No. 4 thereof. The intersection of line 4-1 Survey No. 1527 Am. Jocker lode and line 3-4 Survey No. 1909 Chicago lode bears N $33^{\circ} 53'$ E 83.1 ft. from this corner. Cor. No. 4 Survey No. 1909 Chicago lode bears N $82^{\circ} 16'$ E 122.0 ft. and Cor. No. 1 Survey No. 1909 Boston lode bears S $84^{\circ} 30'$ E 163.7 ft. Cor. No. 3 Survey No. 1909 Chicago lode bears N $54^{\circ} 50'$ W 112.8 ft. from Cor. No. 4 thereof.

thence N $3^{\circ} 51'$ E

- 96.4 along line 4-3 of Survey No. 2009 Collins lode, intersect line 2-3 of Survey No. 1909 Chicago lode at N $56^{\circ} 21'$ W 26.7 ft. from Cor. No. 3, thereof. The intersection of line 3-4 Chicago lode Survey No. 1909 and line 1-4 Survey No. 1527 Am. Jocker lode bears S $54^{\circ} 50'$ E 21.6 ft. from Cor. No. 3 of Survey No. 1909 Chicago lode.
- 248.5 to original location for the west end center, being a mound of stones 3 feet high with 3 foot base
- 308.5 to Cor. No. 4, the N. E. Cor., identical with location and with Cors. 1 and 2 of Survey No. 2008 Miller lode and Survey No. 2250 Moscow lode respectively and situated on line 3-4 Survey No. 2009 Collins lode, an iron pipe 4 feet long 3 inches in diameter set 18 inches in the ground in concrete with copper tag on side marked 4-4045 M.
- thence S $48^{\circ} 46'$ E
- 257.9 intersect lines 4-5 and 5-6 of Survey No. 1909 Chicago and Boston lodes respectively at N $37^{\circ} 40'$ E 153.4 ft. from Cor. No. 4 Survey No. 1909 Chicago lode and N $37^{\circ} 40'$ E 40.1 ft. from Cor. No. 6 Survey No. 1909 Boston lode. The intersection of line, 3-4 of Survey No. 1527 Am. Jocker lode and lines 4-5 and 5-6 of Survey No. 1909

SURVEY NO. 4045 (cont)

755.4 Chicago and Boston lodes respectively brs S 37° 40' W
1.0 ft. from this point
To Cor. No. 1, the place of the beginning.

LODE LINE

The presumed course of the vein on this claim is from
discovery ~~the west end center~~ S 52° 14' E ~~723.3 ft.~~ ^{548.3 ft. @ N. 52° 14' W. 75 ft.} (Note: any
discrepancy between this and the distances given in the
location notice is due to error in the latter, as the
distances given in the bounding of the claim in the loc-
ation notice correspond with these field notes)

Correction made as per
letter "N", 11-20-1929.

LOCATION

This claim is located in the Warren Mining District,
Cochise County, Arizona, in Sec. 15, T 23 S, R 24 E,
G & S R B & M

AREAS

- Total Area Moscow lode - - - - - 2.194 A
- Area in conflict with
- Survey No. 1527 Am. Jocker - - - 1.747 A
- Survey No. 2003 Little Casino - nominal, .000+
- Survey No. 2250 Moscow - - - - - 2.194 A
- Survey No. 1909 Chicago - - - - 0.743 A
- Survey No. 1909 Chicago lode ex-
clusive of its conflict with
Survey No. 1527 Am. Jocker - - 0.394 A
- Survey No. 1909 Boston - - - - - 1.073 A
- Survey No. 1909 Boston exclusive
of its conflict with Survey No.
1527 Am. Jocker - - - - - 0.007 A
- Survey No. 1909 Boston lode exclusive of
its conflict with Survey No.
2003 Little Casino lode - - - 1.073 A

IMPROVEMENTS

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

No. 1

and that said improvements consist of:-

Discovery open cut 4 x 10 x 12 feet long
 with tunnel at face 4 x 6 x 37 feet long.
 at 16 feet in tunnel from open cut is a drift
 4 x 6 x 21.5 feet long bearing N 44° W.
 from same point is another drift bearing
 S 44° E 4 x 6 x 11.5 feet long; open cut
 and main tunnel bear S 46° W. Mouth of
 open cut brs from west end center on lode
 line 75 ft. Value - - - - - \$ 750.00

INSTRUMENT

This survey was made with a Berger & Sons No. 1 c Tran-
 sit. The courses were deflected from the true meridian
 as determined by a direct solar observation. Distances
 were measured with 150 and 300 foot steel tapes. Mag-
 netic variation 12° 30' East at all corners.

OTHER IMPROVEMENTS.

No trace could be found of the improvements mentioned
 in Survey No. 2250 Moscow lode. They must have been
 covered up or washed away.

ADJOINING CLAIMS

North	Survey No. 2008 Miller lode Survey No. 1909 Chicago Survey No. 1909 Boston
East	Survey No. 2003 Little Casino lode
South	Survey No. 1527 Am Jocker lode
West	Survey No. 2009 Collins lode - - - - -

Survey No. 2250 Moscow lode is identical with this
 survey.

REPORT

The 1/4 Cor. between Secs. 10 and 15, T 23 S, R 24 E,
 G & S R B & M is an iron pipe with brass cap.
 Survey No. 1527 Am. Jocker, Cors. 1 and 4 are iron pins

SURVEY NO. 4045 (Con't).

set in concrete.

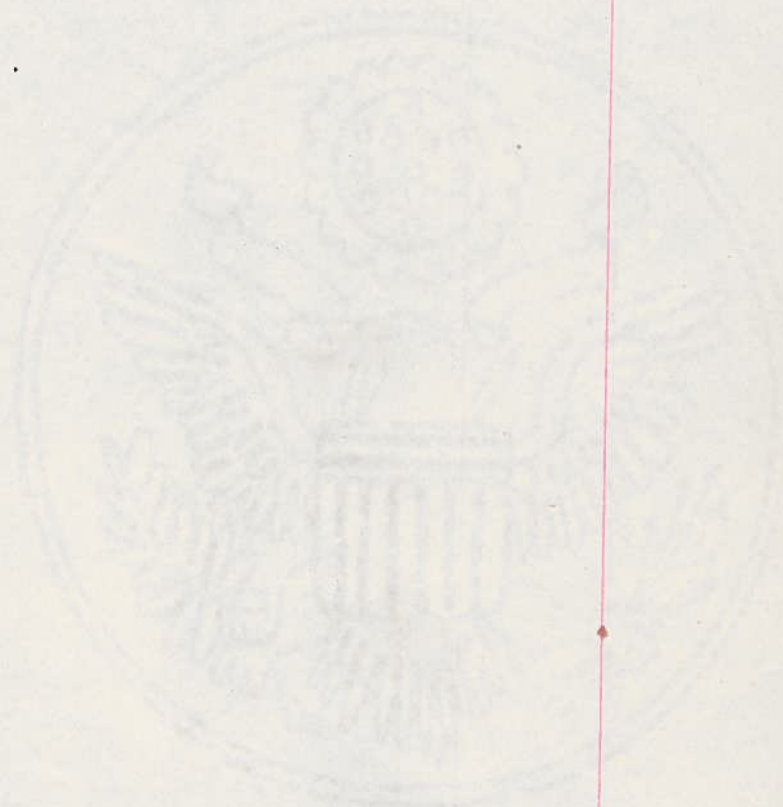
All other corners of adjoining and conflicting surveys are mounds of rocks with the posts missing.

Ralph H. Mohr

U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.

July 20, 1927.



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 MOSCOW lode

and showing the respective capacities in which they acted.

L. T. Mc Elvenny, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, 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 MOSCOW 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~~ OFFICE CADASTRAL ENGINEER for Arizona.

L. T. Mc Elvenny, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 20th

day of July, 19 27

Charles Woods

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

My commission expires May 23rd 1929 6-1043

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 April 14, 1927, I have, in strict conformity to the laws of the United States, the official regulations 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 Moscow Lode, situate in Warren Mining District, Cochise County, Arizona, in Section 15, Township No. 23 S., Range No. 24 E., G. & S. R. B. & H., and designated as Survey No. 4045, 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 Engineer with said instructions, and that all 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.

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, in and
for the County of Cochise, Arizona this 20th
day of July, 1927

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

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

Department of the Interior,
PUBLIC SURVEY OFFICE
OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

October 12, 1927.

I, U. S. Surveyor-General for 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 MOSCOW lode

situate in Warren

Mining District, Cochise County, Arizona

in Section 15, Township No. 23 S., Range No. 24 E., and

designated as Survey No. 4045, 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, 1 tunnel, and 2 drifts, total value \$750.

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

United States Surveyor-General for OFFICE CADASTRAL ENGINEER

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~~
PUBLIC SURVEY OFFICE

Phoenix, Arizona,

October 12, 1927

I, ~~U. S. Surveyor General for~~ 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

MOSCOW lode

situate in Warren mining district,

Cochise County, Arizona

in Section 15, Township No. 23 S., Range No. 24 E.

, designated as Survey No. 4045

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

Surveyor, July 14 - 16, 1927, under my instructions dated

April 14, 1927, 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.

~~U. S. Surveyor General for~~ OFFICE CADASTRAL ENGINEER