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Mineral Survey No. 3493

Lot No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

Wren and Blue Bird lodes

Warren Mining District,

Cochise County, Arizona

Section 7, Unapproved, Township 23 S., Range 24 E. G & S R B & M.

Surveyed under instructions dated March 28, 1918,

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

Claim located see location notices attached, 1

Survey commenced April 2nd, 1918

Survey completed April 3rd, 1918

o 6-100

Postoffice address of claimant's attorneys,

Ellinwood & Ross, Attys.

Bisbee, Arizona.

Feet.

BLUE BIRD lode.

Beginning at Cor No 1, the N E Cor, identical with location, an iron pipe 3 ins in diameter 4 ft long set 18 ins in the ground in concrete, copper tag on side marked 1-3493 B B, whence an oak tree 7 ins in diameter 12 feet high blazed and scribed BT x 1-3493 brs S 81° 51' E 17.9 ft., and a second oak tree 9 ins in diameter 15 ft high blazed and with like scribing brs S 4° 37' E 38.5 ft. The Cor of Secs. 5, 6, 7 and 8, T. 23 S., R. 24 E., G & S R B & M brs N 65° 33' E 915.9 ft., and U. S. M. M. No. 1725 Warren Mining District brs N 1° 52' W 6348.8 ft.

thence S 5° 24' W

78.4 cross gulch, course easterly and westerly,

138.4 cross road, State Highway Bisbee to Tombstone, course easterly and westerly,

300.0 to original location for east end center, being a mound of stones 3 ft high with a 3 ft base,

307.6 intersect line 2-3 Sur No 2553 Century lode at N 20° 17' E 64.9 ft and S 20° 17' W 535.1 ft from Cors No 2 and 3 respectively,

371.0 intersect line 1-2 Sur No 2553 Century lode at S 82° 19' E 16.7 ft., and N 82° 19' E 1446.8 ft from Cors No 2 and 1, respectively,

600.0 to Cor No 2, the S. E. Cor., identical with location and with Cor No 4 Sur No 3384 Winnebago lode, an iron pipe 3 ins in diameter 4 ft long set 18 ins in the ground in concrete, copper tag on side marked 2-3493 BB, whence Cor No 2, Sur No 2553 Century lode brs N 1° 15' E 230.3 ft.

thence S 61° 26' W

600.0 along line 4-3 Sur No 3384 Winnebago lode to Cors No 3 and 4 of Sur No 3384 Winnebago lode and Sur No 3456 Silver Lead lodes, respectively,

1077.8 along line 4-3 Sur No 3456 Silver Lead lode to Cors No 3 and 4 of Sur No 3456 Silver Lead lode and Sur No 3407 Knickerbocker lode, respectively,

1500.0 along line 4-3 Sur No 3407 Knickerbocker lode to Cor No 3,

the S W Cor, identical with location and with Cor No 2 Wren lode this survey, and situated on line 3-4 Sur No 3407 Knickerbocker lode, an iron pipe 3 ins in diameter 4 ft long set 18 ins in the ground in concrete, copper tag on side marked 3-3493 B B, whence an oak tree 6 ins in diameter 10 ft high blazed and scribed B T x 3-3493 brs S 5° 51' W 15.3 ft., and a mountain ash tree 5 ins in diameter 15 ft high blazed and with like scribing brs N 25° 51' W 11.0 ft.

thence N 5° 24' E 300.0 to west end center, identical with location and with east end center Wren lode this survey, a pine post 4 ins sq set 18 ins in the ground in a mound of stones and scribed W E Ct B B 3493.

602.0 to Cor No 4, the N W Cor, identical with location and with Cor No 1 Wren lode this survey, an iron pipe 3 ins in diameter 4 ft long set 18 ins in the ground in concrete, copper tag on side marked 4-3493 B B, whence a limestone ledge with 30 x 47 x 19 ins high exposure chiseled B R x 4-3493 brs N 19° 06' E 51.5 ft., and a schist ledge with 38 x 40 x 53 ins high exposure with like chiseling brs N 51° 56' W 98.7 ft.

thence N 61° 30' E 150.0 cross gulch, course easterly and westerly,

554.1 cross gulch, course northeasterly and southwesterly,

856.3 cross State Highway Bisbee to Tombstone, course northwesterly and southeasterly,

1012.2 cross gulch, course easterly and westerly,

1498.9 to Cor No 1, the place of the beginning.

WREN lode.

Beginning at Cor No 1, the N E Cor, identical with location and with Cor No 4 Blue Bird lode this survey, heretofore described to which I add 1-3493 W for this claim. U. S. M. M. No. 1725 Warren Mining District brs N 8° 56' E 7147.4 ft.

Feet.
 thence S 5° 24' W
 302.0 along line 4-3 Blue Bird lode this survey, to original loc-
 ation for east end center, identical with west end center
 Blue Bird lode this survey, heretofore described to which
 I add E E Ct W 3493 for this claim,
 602.0 to Cor No 2, the S E Cor, identical with location and with
 Cor No 3 Blue Bird lode this survey heretofore described to
 which I add 2-3493 W for this claim. Cor No 3 Sur No 3407
 Knickerbocker lode brs S 61° 26' W 177.8 ft.
 thence S 60° 38' W
 180.0 intersect line 2-3 Sur No 3407 Knickerbocker lode at S 11°
 57' W 3.3 ft., and N 11° 57' E 1585.6 ft from Cors No 3 and
 2, respectively,
 1500.0 to Cor No 3, the S. W. Cor, identical with location, an iron
 pipe 3 ins in diameter 4 ft long set 18 ins in the ground
 in concrete, copper tag on side marked 3-3493 W, whence an
 oak tree 5 ins in diameter 10 ft high blazed and scribed
 B T x 3-3493 brs S 57° 07' W 13.2 ft., and a second oak
 tree 5 ins in diameter 10 ft high blazed and with like
 scribing brs S 25° 17' E 16.5 ft.
 thence N 5° 24' E
 259.4 cross gulch, course northeasterly and southwesterly,
 300.0 to original location for west end center, being a pine post
 4 ft long 4 ins sq set 18 ins in the ground in a mound of
 stones and scribed W E Ct W 3493,
 602.0 to Cor No 4, the N W Cor, identical with location, an iron
 pipe 3 ins in diameter 4 ft long set 18 ins in the ground
 in concrete, copper tag on side marked 4-3493 W, whence a
 schist ledge with 9 x 24 x 32 ins high exposure chiseled
 B R x 4-3493 brs N 35° 47' W 7.8 ft., and a second schist
 ledge with 21 x 55 x 25 ins high exposure with like chisel-
 ing brs S 22° 47' W 17.7 ft.
 thence N 60° 38' E
 1115.6 cross gulch, course north and south,
 1500.0 to Cor No 1, the place of the beginning.

LODE LINES.

BLUE BIRD.

The presumed course of the vein on this claim is from the east end center S 61° 26' W 1500.0 ft.

WREN.

The presumed course of the vein on this claim is from the east end center S 60° 38' W 1500.0 ft.

AREAS.

Total area Blue Bird lode - - - - - 17.165 A.

Area in conflict with
Sur No 2553 Century lode - - - - - 0.012 A.

Total area Wren lode - - - - - 17.029 A.

Area in conflict with
Sur No 3407 Knickerbocker lode - - - - - 0.005 A.

LOCATION.

This survey is located in Sec. 7 (unapproved), T. 23 S., R. 24 E., G & S R B & M in the Warren Mining District, Cochise County, Arizona.

IMPROVEMENTS.

I certify that the value of the labor and improvements (by the claimants or their grantors) made upon each location of this survey/is not less than five hundred dollars and that said improvements consist of:-

BLUE BIRD.

No.1. Discovery shaft 4 x 6 x 10 ft deep brs from west end center on lode line 450.0ft. Value \$ 60.00

No.2. Open cut 4.5 x 11 x 16 ft long brg N 72° 30' E, the mouth of which brs from a point on line 4-1 N 61° 30' E 579.1 ft from Cor No. 4, S 27° 10' E 142.4 ft. Value \$135.00

No.3. Shaft 4 x 6 x 74 ft deep brs from same point S 38° 20' E 188.1 ft. Value - - - - - 925.00

Total Value of Improvements ----- \$ 1120.00

WREN

No. 1 Discover tunnel 4 x 6 x 78 ft long brg S 14° W Point in tunnel S 14° 00' W 33.6 ft from the mouth brs from east end center on lode line 500.0 ft. Value - - - - - \$ 975.00

Total Value on Group - - - - - \$ 2095.00

OTHER IMPROVEMENTS

BLUE BIRD

Frame house 25 x 32 ft long, long side brg S 7° 30' W, the northwest corner of which brs from point on line

MINERAL SURVEY NO. 3493 (Con't)

4-1 S 61° 30' W 401.7 ft from Cor No 1, S 7° 36' E
140.0 ft.

Frame house 26½ x 28 ft, long long side brg south, north-
west corner of which brs from point on line 4-1, N 61° 30'
E 579.1 ft from Cor No 4, S 20° 14' W 238.9 ft.

ADJOINING CLAIMS

East	Sur No 2553, Century lode Bisbee Queen lode , unsurveyed, owned by C W Rambo
South	Sur No 3384 Winnebago lode Sur No 3407 Knickerbocker lode Sur No 3456 Silver Lead, Diamond Fraction, unsurveyed, owned by C W Rambo

INSTRUMENT

This survey was made with a Gurley Light Mountain Tran-
sit. The courses were deflected from the true meridian
as determined by a Solar observation. The distances
were measured with 100 and 300 ft steel tapes. Magnetic
variation 12° 30' East at all corners.

REPORT

U. S. M. M. No. 1725 is a pine post 6 ins sq 9 ft long
surrounded by monument of stones 3 ft high with 6 ft base.
Post scribed U S M M No 1725
Cor of Secs 5, 6, 7, and 8, T 23 S, R 24 E G & S R B & M
is an iron pipe with copper cap marked S5, S6, S7, S8,
T23S, R24E

Sur No 3384 Winnebago lode, Sur No 3407 Knickerbocker
lode and Sur No 3456 Silver Lead lode, all cors are pine
posts properly set and scribed, except Cor No 4, Sur No
3384 Winnebago lode which is an iron pipe with copper cap.

Sur No 2553 Century lode. Cors 1 and 2 are monument of
stones posts missing. Cor No 3 is a pine post properly
set and scribed.

Ralph L. Mohr

U.S. Mineral Surveyor

Dated at Bisbee, Arizona.

April 12, 1918.

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 Wren and Blue Bird lodes,
 and showing the respective capacities in which they acted.

- Bert Wylie, , *Chainman.*
- , *Chainman.*
- , *Acman.*
- , *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~was~~ I. Bert Wylie
~~and~~ , do solemnly swear that ~~was~~ ^I 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 Wren and Blue Bird 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 ~~my~~ ^{my} 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.

- Bert Wylie , *Chainman.*
- , *Chainman.*
- , *Acman.*
- , *Flagman*

Subscribed and sworn to by the above-named persons before me this 12th
 day of April , 1918.

JW Ross
 Notary Public in and for the County
 of Cochise, State of Arizona.
 My commission expires Feb. 21, 1920.

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 United States
Surveyor General for Arizona, dated
March 28, 1918, I have, in strict conformity to the laws of the
United States, the official regulations and instructions thereunder, and the instructions
of said Surveyor General, faithfully and correctly executed the survey of the Mining
Claim of Phelps Dodge Corporation,
known as the
Wren and Blue Bird lodes,
situate in Warren Mining District,
Cochise County, Arizona, in Section
7, unapproved Township No. 23 S., Range No. 24 E. G & S R B & M,
and designated as Survey No. 3493, 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 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 J. W. Ross, Notary Public
this 12th
day of April, 1918.

J. W. Ross
Notary Public in and for the County
of Cochise, State of Arizona.
My commission expires Feb. 21st, 1920.

Mar. 27. 1918

AMENDED NOTICE OF MINING LOCATION
LODE CLAIM

TO WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the "WREN" 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 PHELPS DODGE CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of New York, the undersigned, on the 8th day of March, 1918.

The length of this claim is 1500 feet and we claim 1000 feet, in a southwesterly direction and 500 feet in a northeasterly 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 northeast to the southwest.

The claim is situated and located in the Warren Mining District, in Cochise County, in the State of

Arizona, about 1 3/4 miles in a northwesterly direction from the postoffice of the City of Bisbee. It adjoins the "Blue Bird" claim on the southwest.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones at a point in a northeasterly direction 500 feet from the discovery shaft (at which this notice is posted), being in the center of the northeast end line of said claim; thence southerly 300 feet to a post and monument, being the S. E. corner of said claim; thence southwesterly 1500 feet to a post and monument, being at the S. W. corner of said claim; thence northerly 300 feet to a post and monument at the center of the southwest end of said claim; thence northerly 300 feet to a post and monument, being at the N. W. corner of said claim; thence northeasterly 1500 feet to a post and monument at the N. E. corner of said claim; thence southerly 300 feet to the place of beginning.

All done under the provisions of the laws of the United States, and of the State of Arizona.

This is an Amended Location Notice of the "Wren" Mining Claim, located by Evan Hewitt on the first day of January, 1907, and recorded in Book 38 of Records of Mines, at page 126, in the office of the County Recorder of the

aforesaid County of Cochise, to which reference is hereby made , and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 8th day of March, 1918.

PHELPS DODGE CORPORATION,

By Grant H Lowell

Attorney in Fact

...of ... of ... to ...
... of ... in ...
... of ...

1507

~~COMPARED~~ to ~~...~~
~~BLOTTED~~

12

Fee 1.00

Filed and recorded at request of
Ellinwood Ross

STATE OF ARIZONA,
County of Cochise,

I, Ray B. Krebs, County Recorder in and for
the County and State aforesaid, do hereby cer-
tify that the within instrument was filed for
record at 10 M. on **MAR 9 1918**
and duly recorded in Book No. 50

of Record of Mings records of Cochise
County, Arizona, at pages 745-746.

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

Ray B. Krebs,

County Recorder

Ellen M. Krebs

Deputy

NOTICE OF MINING LOCATION

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LODE CLAIM

March 27, 1918

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Blue Bird 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 Evan Hewitt Citizen of the U.S. America the undersigned, on the 1st day of January 1907.

The length of this claim is 1500 feet and I claim 1000 feet in an easterley direction, and 500 feet in a south westerly 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 East to the West.

The claim is situated and located in the Warren Mining District, in Cochise County, in the Territory of Arizona, about 2 miles in a Westerly direction from the Mining Camp of Bisbee joining on the West end of the Mrs. Cobb claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at the west centere end monument of stone at a point in a south west direction 500 feet from the discovery shaft (at which this notice is posted), being in the center of the West end line of said claim; thence 300 feet to a monument of stone, being the northwest corner of said claim; thence 1500 feet to a monument of stone, being at the north east corner of said claim; thence 300 feet to a monument of stone at the center of the east end of said claim thence 300 feet to a monument of stone, being at the south east corner of said claim; thence 1500 feet to a monument of stone at the south west corner of said claim; thence 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 an Act

of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the ground this 1st day of January 1907.

Evan Hewitt

Walter Blue

Witness

Ernest E. Shafford

Filed and recorded at request of Evan Hewitt Feb 13, 1907,
at 9 A.M. in Book No. 38 Page 127 Records of Mines.

RAY B. KREBS,
COUNTY RECORDER

H. L. HUTCHISON,
CHIEF DEPUTY

OFFICE OF THE COUNTY RECORDER
COCHISE COUNTY, ARIZONA

Certificate

STATE OF ARIZONA,)
 :SS
County of Cochise)

I, RAY B. KREBS, County Recorder in and for the County of Cochise, State of Arizona, do hereby certify that the annexed and foregoing is a full, true and correct copy of the "Bluebird" Mining Claim,

as appears of record now in this office in Book No.38, Records of Mines at pages 127.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Tombstone, this 14 day of December A. D. 1917.

RAY B. KREBS,

COUNTY RECORDER

By

[Handwritten signature]

Deputy



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

September 19, 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

PHILIPS DODGE CORPORATION

known as the WREN and BLUE BIRD Lodes

situate in WARREN

Mining District, COCHISE County, ARIZONA,

in Section 7, Unapproved Township No. 23 S., Range No. 24 E., and

designated as Survey No. 3493, 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 each of said mining claims by claimant or its grantors, and that said improvements consist of 1 cut, 2 shafts and 1 tunnel, total value \$2095.00

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona, is correct and in conformity with the foregoing Field Notes.

Frank P. Trott

United States Surveyor-General for Arizona

SURVEYOR GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR OFFICE OF U. S. SURVEYOR GENERAL

Phoenix, Arizona.

September 19, 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

PHILIPS DODGE CORPORATION

, known as the

WREN and BLUE BIRD Lodes

situate in WARREN mining district,

COCHISE County, ARIZONA,

in Section 7, unapproved, Township No. 23 S., Range No. 24 E.,

designated as Survey No. 3493

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

Surveyor, April 2-3, 1918, under my instructions dated

March 28, 1918, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and made

a part of the transcript of the field notes.

[Handwritten signature]

U. S. Surveyor General for Arizona.