

4-688

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL-LAND-OFFICE~~
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4325 A & B

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Phelps Dodge Corporation

Known As The

C. & A. No. 2 lode and C. & A. No. 2 mill site

Ajo Mining District,

Pima County, Arizona

Section 23, Township 12 S., Range 6 W., G. & S.R.M.

Surveyed under instructions dated April 21, 1948

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

Claim located August 25, 1912 and March 15, 1948

Survey commenced May 27, 1948

Survey completed June 19, 1948

Address of claimant's attorney, Cleon T. Knapp,
Valley National Building,
Tucson, Arizona

DATES OF AMENDED LOCATIONS

March 15, 1948

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4355 A & B

Arizona

FIELD NOTES

OF THE SURVEY OF THE MINERAL CLAIMS OF

Phoenix Dodge Corporation

Known As The

C. & A. No. 2 lode and C. & A. No. 2 mill site

Arizona

County

Section 21 Township 12 S. Range 6 E., G. & A. S. R. M.

Surveyed under instructions dated April 21, 1918

by Ralph J. Holt

U. S. Mineral Surveyor

Date started March 17, 1918

Survey commenced May 17, 1918

Survey completed June 13, 1918

Address of claimant in Arizona, Glenn T. Dodge,
Valley National Building,
Tucson, Arizona

DATE OF AMENDED LOCATION

March 15, 1918

This survey was made with a C.L. Berger & Sons precise transit with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored glass slide in a detachable prismatic eyepiece for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

June 19, 1948, at Cor. No. 1 of the C. & A. No. 2 lode, in latitude $32^{\circ} 22' N.$, and longitude $112^{\circ} 51' W.$, I made a series of eight altitude observations upon the sun for azimuth at approximately equal time intervals, four each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point at Cor. No. 4 to the sun.

Mean time of observation, 105th meridian standard time 8 h. 00 m. A.M.

Declination of sun at mean time of observation $23^{\circ} 26' N.$

Mean observed vertical angle to sun's center $30^{\circ} 50' 30''$

Mean horizontal angle from reference point to sun's center $66^{\circ} 52' N - E$

True bearing to reference point $N. 13^{\circ} 21' E.$

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape 25 feet in length, graduated to feet, inches and fractions of inches for the entire length; all tapes were compared to a Lufkin standard at the time of beginning the survey, and found correct.

All lines and connections of the survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of $14^{\circ} 00' East.$

Survey No. 4325 A.

Feet

C. & A. No. 2 lode.
At Cor. No. 1 of the C. & A. No. 2 lode, situated on line 2-3 of Survey No. 3488 Big Jim lode.

Set an iron pipe, $2\frac{1}{2}$ ins. diam., 36 ins. long, 18 ins. in the ground, mkd. C&A2-1-4325 A; from which

The $\frac{1}{4}$ Cor. Secs. 23 and 24, T. 12 S., R. 6 W., G. & S.R.M., bears $N. 75^{\circ} 38' 30'' E.$, 1434.2 ft. dist., an iron pipe with brass cap, 10 ins. above ground, firmly set and marked as described in the official record.

2.

Survey No. 4325 A.

Feet	
	Cor. No. 3 Survey No. 3488 Big Jim lode, bears S. 84° 38' E., 511.22-ft. dist.
	Cor. No. 2 Survey No. 3488 Quartzite lode, bears N. 23° 05' W., 352.36 ft. dist.
	Thence N. 84° 43' W.
300.0	Lode line; discovery shaft bears N. 13° 21' E., 200 ft. dist.
600.0	Cor. No. 2.
	Set an iron pipe, 2 1/2 ins. diam., 36 ins. long, 18 ins. in the ground, mkd. C&A2-2-4325 A.
	Thence N. 13° 21' E.
0.88	Cor. No. 4 of Survey No. 3161 Luna No. 1 lode; also intersect line 2-3 of Survey No. 3488 Big Jim lode at a point from which Cor. No. 2 bears N. 84° 38' W., 306.9 ft. dist.
1008.0	Center of State Highway, bears S. 79° 30' E., and N. 79° 30' W.
1498.78	Cor. No. 3, situated on line 4-1 of Survey No. 3666 Ajo Junior No. 2 mill site, and identical with Cor. No. 3 of Survey No. 3161 Luna No. 1 lode.
	A pine post, 4 ins. sq., 24 ins. above ground, mkd. 3-3161 L 1, C&A2-3-4325 A.
	At base of post on east side is a Land Office Cor., an iron pipe with brass cap, mkd. CA 2-3.
	Thence S. 84° 43' E.
300.0	Lode line; discovery shaft bears S. 13° 21' W., 1298.78 ft. dist.
441.0	Cor. No. 4 of Survey No. 3666 Ajo Junior No. 2 mill site and Cor. No. 3 of Survey No. 3666 Ajo Junior No. 3 mill site.
600.0	Cor. No. 4, situated on line 2-3 of Survey No. 3666 Ajo Junior No. 3 mill site and identical with Cor. No. 3 of Survey No. 3947 Howard # 2 lode.
	An iron pipe, 1 in. diam., with brass cap, 12 ins. above ground, mkd. C&A2-4-4325 A.-H2-3-3947.
	Thence S. 13° 21' W.
540.0	Center of State Highway, bears S. 79° 30' E., and N. 79° 30' W.
600.2	Point for Cor. No. 2 of Survey No. 3947 Howard # 2 lode and Cor. No. 3 of Survey No. 3939 G & M lode, falls on edge of Rowood Street. No monument found.
1129.4	Intersect line 2-3 of Survey No. 3488 Quartzite lode at a point from which Cor. No. 2 bears S. 81° 02' W., 226.2 ft. dist.
1198.6	Cor. No. 2 of Survey No. 3939 G & M lode, a rock firmly set and properly marked.
1483.14	Intersect line 1-2 of Survey No. 3488 Quartzite lode at

Feet	
1498.78	<p>a point from which Cor. No. 2 bears N. 24° 39' W., 339.9 ft. dist.</p> <p>Cor. No. 1, and place of beginning.</p> <hr/> <p style="text-align: center;">The C. & A. No. 2 mill site contains 2.371 acres Survey No. 4325 B.</p> <hr/> <p style="text-align: center;">C. & A. No. 2 MILL SITE</p> <p>At Cor. No. 1 of the C. & A. No. 2 mill site, situated on line 2-3 of Survey No. 3938 C. & A. No. 1 lode, at a point from which Cor. No. 2 bears N. 81° 00' E., 224.7 ft. dist., also situated on the line between Secs. 23 and 24, T. 12 S., R. 6 W., G. & S.R.M.</p> <p>An iron pipe, 4 ins. diam., 60 ins. long, set 30 ins. in the ground in concrete, copper plate on top mkd. C&A2-MS-1-4325 B; from which</p> <p>The 1/4 Cor. of Secs. 23 and 24, T. 12 S., R. 6 W., G. & S.R.M., bears N. 0° 01' W., 981.5 ft. dist., previously described.</p> <p style="text-align: center;">Thence S. 0° 01' E.,</p> <p>Cor. No. 2, situated on line 2-3 of Survey No. 3488 Intimate lode at a point from which Cor. No. 3 bears S. 84° 48' E., 571.7 ft. dist.; also situated on the line between Secs. 23 and 24, T. 12 S., R. 6 W., G. & S.R.M.</p> <p>An iron pipe, 4 ins. diam., 5 ft. long, set 26 ins. in the ground in concrete, with copper plate on top mkd. C&A2MS-2-4325 B; from which</p> <p style="text-align: center;">Thence N. 84° 48' W.,</p> <p>Center of road, bears N. 5° W., and S. 5° E.</p> <p>Cor. No. 2 of Survey No. 3488 Intimate lode and Cor. No. 3 of Survey No. 3488 Dodge No. 4 lode.</p> <p>Cor. No. 3, situated on line 2-3 of Survey No. 3488 Dodge No. 4 lode at a point from which Cor. No. 3 bears S. 84° 48' E., 9.6 ft. dist.; also situated on line 2-3 of Survey No. 3938 C. & A. No. 1 lode at a point from which Cor. No. 3 bears S. 81° 00' W., 291.3 ft. dist.</p> <p>An iron pipe, 4 ins. diam., 5 ft. long, set 34 ins. in the ground in concrete with copper plate on top mkd. C&A2MS-3-4325 B; from which</p> <p>Cor. No. 4 of Survey No. 3488 Big Jim No. 2 lode bears N. 84° 48' W., 139.54 ft. dist.</p> <p>Cor. No. 1 of the C. & A. No. 2 lode of this survey bears N. 31° 55' W., 907.1 ft. dist.</p>
227.0	
70.0	
904.3	
913.9	

Feet

Thence N: 81° 00' E.

835.0

Center of road, bears N. 23° E., and S. 23° W.

921.4

Cor. No. 1, and place of beginning.

The C. & A. No. 2 mill site contains 2.371 acres.

Survey No. 4325 A and B.

AREAS

Acres.

Total area, C. & A. No. 2 lode

20.440

Area in conflict with-

Sur. No. 3488 Big Jim lode

0.006

Sur. No. 3488. Quartzite lode

0.850

Total area, C. & A. No. 2 mill site

2.371

LOCATION

This survey is located in the S 1/2 NE 1/4 and the N 1/2 of the SE 1/4 of Secs. 23, T. 12 S., R. 6 W., of the Gila and Salt River Meridian.

The survey of the C. & A. No. 2 lode is identical with the amended location as marked on the ground. The survey of the C. & A. No. 2 mill site is identical with the original location as marked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode location by the claimant or its grantors are as follows:

Survey No. 4325 A and B

- No. 1 The discovery shaft of the C. & A. No. 2 lode, the center of which being the discovery point, is on the lode line 200 ft. from the south end; 4x6 ft. 10 ft. deep
Value \$100
- No. 2 A shaft, the center of which bears N. 18° 10' E., 270 ft. from Cor. No. 2 C. & A. No. 2 lode; 4x6 ft., 115 ft. deep
Value \$1150
- No. 3 A shaft, the center of which bears N. 85° 49' E., 123 ft. from Cor. No. 2 C. & A. No. 2 lode; 4x6 ft., 50 ft. deep
Value \$500
- No. 4 A churn drill hole, 5 ins. diam., bears N. 81° 12' E., 125 ft. from Cor. No. 2 C. & A. No. 2 lode; 150 ft. deep
Value \$450
- No. 5 A shaft, the center of which bears EAST, 149 ft. from Cor. No. 2 C. & A. No. 2 lode; 4x11 ft., 6 ft. deep
Value \$75
- No. 6 A shaft, the center of which bears S. 88° 10' E., 172 ft. from Cor. No. 2 C. & A. No. 2 lode; 4x6 ft. 60 ft. deep, timbered
Value \$1000
- No. 7 A shaft, the center of which bears N. 79° 45' E., 275 ft. from Cor. No. 2 C. & A. No. 2 lode; 4x7 ft. 10 ft. deep
Value \$100
- No. 8 An open cut, the mouth of which bears N. 73° 20' E., 256 ft. from Cor. No. 2 C. & A. No. 2 lode; 4 ft. wide, 10 ft. face, runs N. 25° W., 50 ft. to face
Value \$350
- No. 9 A shaft, the center of which bears N. 48° 15' W., 212 ft. from Cor. No. 1 C. & A. No. 2 lode; 4x6 ft. 10 ft. deep
Value \$75
- No. 10 A shaft, the center of which bears N. 53° 50' W., 105. ft. from Cor. No. 1 C. & A. No. 2 lode; 4x6 ft., 50 ft. deep
Value \$500

OTHER IMPROVEMENTS

A frame house, the NE. corner of which bears S. 80° 30' W., 74 ft. from Cor. No. 4 C. & A. No. 2 lode; 14 x 24 ft. in size; the long sides bear N. 5° E.

A frame house, the NE. corner of which bears S. 65° 10' W., 170 ft. from Cor. No. 4 C. & A. No. 2 lode; 19 x 40 ft. in size; the long sides bear N. 15° E.

A frame house, the NE. corner of which bears S. 26° 30' W., 151 ft. from Cor. No. 4 C. & A. No. 2 lode; 24 x 25 ft. in size; the long sides bear N. 10° E.

A frame house, the NE. corner of which bears S. 23° 35' W., 190 ft. from Cor. No. 4 C. & A. No. 2 lode; 18.5 x 36.5 ft. in size; the long sides bear S. 75° E.

A frame house, the NE. corner of which bears S. 16° 35' W., 309 ft. from Cor. No. 4 C. & A. No. 2 lode; 14.5 x 30.5 ft. in size; the long sides bear S. 13° W.

A frame building, the NE. corner of which bears S. 43° 10' W., 550 ft. from Cor. No. 4 C. & A. No. 2 lode; 22 x 36 ft. in size; the long sides bear N. 11° E.

A galvanized iron building, the NW. corner of which bears S. 6°-50' W., 255 ft. from Cor. No. 3 C. & A. No. 2 lode; 31 x 40 ft. in size; the long sides bear N. 13° E.

A frame building, the NE. corner of which bears S. 35° 45' W., 653 ft. from Cor. No. 4 C. & A. No. 2 lode; 24 x 83.5 ft. in size; the long sides bear N. 11° E.

A frame building, the NE. corner of which bears S. 30° 10' W., 625 ft. from Cor. No. 4 C. & A. No. 2 lode; 24.5 x 52 ft. in size; the long sides bear N. 11° E.

A frame house, the NE. corner of which bears S. 14° 50' W., 618 ft. from Cor. No. 4 C. & A. No. 2 lode; 14.5 x 27.5 ft. in size; the long sides bear S. 77° E.

A frame house, the NW. corner of which bears S. 4° 30' E., 720 ft. from Cor. No. 3 C. & A. No. 2 lode; 12 x 28 ft. in size; the long sides bear S. 77° E.

A frame house, the SE. corner of which bears N. 6° 05' E., 662 ft. from Cor. No. 1 C. & A. No. 2 lode; 12 x 28 ft. in size; the long sides bear N. 13° E.

A frame house, the SE. corner of which bears N. 10° 45' E., 633 ft. from Cor. No. 1 C. & A. No. 2 lode; 16 x 36 ft. in size; the long sides bear N. 13° E.

A frame house, the SE. corner of which bears N. 1° 10' W., 688 ft. from Cor. No. 1 C. & A. No. 2 lode; 12 x 18 ft. in size; the long sides bear N. 13° E.

A frame house, the SE. corner of which bears N. 10° 00' W., 550 ft. from Cor. No. 1 C. & A. No. 2 lode; 22 x 34 ft. in size; the long sides bear N. 11° E.

All of the above houses and buildings are owned by the claimant herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA.

Survey No. 3488 - Big Jim, Big Jim No. 2, Quartzite, Dodge No. 4 and Intimate lodes - all corners are iron pipes set in the ground in concrete with copper plates properly marked. All lines were found correct as approved.

Survey No. 3938 - C. & A. No. 1 lode, Cors. 2 and 3 are rocks firmly set and properly marked. Line 2-3 was found correct as approved.

Survey No. 3161 - Luna No. 1 lode - Cor. No. 3 described herein. Cor. No. 4 is an iron pipe 1" diam., with brass cap mkd. I find line 3-4 to be correct as approved.

Survey No. 3666 - Ajo Junior No. 2 and Ajo Junior No. 3 mill sites. All corners are iron pipes set in concrete with copper tags on sides properly marked. I check line 1-4 and 2-3.

FIELD ASSISTANT

William Everell Franck

Chainman.

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, Ralph L. Motz, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated April 21, 1948,
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
C. & A. No. 2 lode claim and C. & A. No. 2 mill site claim,
situate in Ajo Mining District,
Pima County, Arizona, in Section
23, Township No. 12 S., Range No. 6 W., G. & S.R.M.
and designated as Survey No. 4325 A & B, 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 im-
provements 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
(Mineral Surveyor)

Subscribed and sworn to by the said Ralph L. Motz

Mineral Surveyor, before me W. H. Miescher, Notary Public

this 31st
day of May, 1948

W. H. Miescher

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

My commission expires February 3, 1949.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE Bureau of Land Management PUBLIC SURVEY OFFICE

At Phoenix, Arizona

August 3, 1948

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 C. & A. No. 2 lode and C. & A. No. 2 mill site

situate in Ajo mining district, Pima County, Arizona

in Section 23, Township No. 12 S., Range No. 6 W.,

G. & S.R.M., designated as Survey No. 4325 A & B

executed by Ralph L. Motz, Mineral

Surveyor, May 27 to June 19, 1948 under my instructions dated

April 21, 1948, 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.

Frank M. Chapin Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE

I, the undersigned, being a duly qualified and licensed Surveyor and being duly sworn, do hereby certify that the foregoing and hereto attached Field Notes and Survey of the Mining Claim of [Name] [Location] [County] [State] [Date] [Page No.] [Signature]

Given under my hand and seal of office this [Date] day of [Month] [Year] at [Location]