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.
Surveyed under instructions dated April 21 , 1948
by Ralph L. Motz U. S. Mineral Surveyor.
Claim located August 25, 1912 and March 15, 19 48
Survey commenced May 27 , 19 48
Survey completed June 19 , 19 48
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 1 ND 1000000 SPT

MINERAL SURVEY NO. 4555 A & B

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FIELD MOTES
Pastos Dodge Corporation
etis itia S . No. 8 lode and C. & A. No. S mill site
Section 23 Committee LE S. Committee
by Salph I, Montol Surveyor.
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Astrona of claiment in attorney, Cleps T. Majon of campage, Weiley National Building,
DATES OF ANENDED LOCATIONS. AFLEONS
March 15, 1948

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° 22' N., and longitude 112° 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

1008.0 Center of 8 h. 00 m. A.M.

F. ou . To of observation; bus astraction some and follows Declination of sun at mean time

1490.78 Con .23° 26' N.

of Survey No. Mean observed vertical angle to .bxm .lowsun's center 15 ... ani 4 .tao 30° 50' 30"

Mean horizontal angle from reference point to suns center 66° 52' N - E

True bearing to reference point N. 13° 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° 00° East. ing. above Thence 6. 13° 21' #.

907 .4 as . 2 08 907 .2 27300 . 3340 A. Survey No. 4325 A. 540.0 Center of State highw

is ano

and SI'

Feet S A brawell The .. C. & A. No. 2 lode rol rol thing S.000

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 1/2 ins. diam., 36 ins. long, 18 ins. in the ground, mkd. C&A2-1-4325 A; from which

The 1/4 Cor. Secs. 23 and 24, T. 12.S., R. 6 W., G. & S.R.M., bears N. 75° 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.

U. S. GOVERNMENT PRINTING OFFICE 10-28520-1

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.1 2		Survey No. 4325 A. Vovis
	Feet	
C	precise ving tw	Cor. No. 3 Survey No. 3488 Big Jim lode, bears S. 84° 38 E., 511.22 ft. dist.
	oa baer	Cor. No. 2 Survey No. 3488 Quartzite lode, bears N. 23° 05' W., 352.36 ft. dist.
	ijeni o	Thence N. 43. W. Tiem 101
Ď	300.0	Lode line; discovery shaft bears N. 13° 21' E., 200 ft.
	600 0	Cor. No. 02. berrelet selyne nolicelieb to bodien
	.000.0	determined by the following observation:
		Set an iron pipe, 2 1/2 ins. diam., 36 ins. long, 18 ins. in the ground, mkd. C&A2-2-4325 A.
	ent the	que ancidavasado en Thence N. 13º121º E.os a ebam
450	0.88	Cor. No. 4 of Survey No. 3161 Luna No. 1 lode; also intersect line 2-3 of Survey No. 3488 Big Mim 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-l 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
	441.0 a	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.
	lo te	An iron pipe, 1 in. diam., with brass cap, 12 ins. above ground, mkd. C&A2-4-4325 AH2-3-3947.
		Thence S. 13° 21' W.
	540.0	Center of State Highway, bears S. 79° 30° E., and N. 79° 30° W.
91		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.
	39 0	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	
	a point from which Cor. No. 2 bears N. 24° 39° W., 339.9 ft. dist.
1498.78	Cor. No. 1, and place of beginning.
	921.4 Cor. No. 1, and place of beginning.
	Survey No. 4325 B.
	C. & A. No. 2 MILL SITE
	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.
Acres. 20.440	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
0.006	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.
0.850	Thence S. 0° 01' E., of
227.0	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.
the of	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. Thence N. 84° 48° W.,
enT b	Center of road, bears N. 5° W., and S. 5° E. Cor. No. 2 of Survey No. 3488 Intimate lode and Cor. No.
	3 of Survey No. 3488 Dodge No. 4 lode.
913.9	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.
follows:	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
	Cor. No. 4 of Survey No. 3488 Big Jim No. 2 lode bears N. 84° 48' W., 139.54 ft. dist.
	Cor. No. 1 of the C. & A. No. 2 lode of this survey bears N. 31° 55' W., 907.1 ft. dist.

	4	Survey No. 4325 B.	
	Feet	Thence N. 81° 00 E.	Jeet
	835.0	Center of road, bears N. 23° E., and S. 23° W.	1490.78
	921.4	Cor. No. 1, and place of beginning.	
		The C. & A. No. 2 mill site contains 2.371 acres	•
	.bunted lode, et E.,	Survey No. 4325 A and B. s site flim S . No. 4325 A and B. s site flim S . No. 30 eld to f . Ni. 700 JA f . No. A & . O . Servey No. 50 & - Serie no on los e series S . No. 100 not well and a ded enil and no adapte a late.	
		S.A. S. S. S. S. AREAS . T. AS DIS 25 . 8985	
	ins.	Total area, C. & A. No. 2 lode -1-24-24 20	Acres. 20.440
	6 %., dist.,	Sur. No. 3488 Big Jim lode	0.006
		Sur. No. 3488. Quartzite lode	0.850
	488 bears on the	betautie oeis : feib .11 Y.170 .2 mill site office of the betautie oeis : feib .11 Y.170 .2 mill site office of the betautie oeis : feib .11 Y.170 .2 measted soil	2.371
	ni .an	An iron pipe, 4 ins. dism., 5 ft. long, set 26 i	
	. Dim go	This survey is located in the S 1/2 NE 1/4 and the N 1/2 of the SE 1/4 of Sec. 23, T. 12 S., R. 6 W., of the Gila and Salt River Meridian.	
	cor. Ro	The survey of the C. & A. No. 2 lode is identiwith the amended location as marked on the groun survey of the C. & A. No. 2 mill site is identicate original location as marked on the ground.	d. The
9	are 2-5	The improvements and the value of the labor an	
		improvements made upon or for the benefit of the location by the claimant or its grantors are as	lode

the ground in concrete with copper plate on top med. CARSMS-3-45RD B; from which

Cor. Mo. 1 of the C. & A. No. 2 lode of this survey lears N. 31° 55' W., 907.1 ft. dist.

cor. No. 4 of Survey No. 5488 BL Jim No. 2 lode bears N. 84° 48' N., 159.54 Pt. 6281.

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The discovery shaft of the C. & A. No. 2 lode, the center No. 1 of which being the discovery point, is on the lode line 200 ft. from the south end; 4x6 ft. 10 ft. deep Value \$100 A sheft, the center of which bears N. 18° 10' E., 270 ft. No. 2 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 A shaft, the center of which bears EAST, 149 ft. from Cor. No. 2 C. & A. No. 2 lode; 4x11 ft., 6 ft. deep No. 5 Value \$75 A shaft, the center of which bears S. 88° 10' E., 172 ft. No. 6 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 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 No. 8 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

FIELD ASSISTANT

William Everell Franck

and 2-3.

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 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 orits
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.
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 WH Muscher

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

My commission expires February 3, 1949.

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CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR

Bureau of Land Management
Public Survey Office

	At Phoenix, Arizona	
	August 3	, 1948
I, Office Cadastral Engineer at Phoeni	x, Arizona	
do hereby certify that the foregoing and hereto atta	sched Field Notes and Return of t	he Survey of the
Mining Claim of Phelps Dodge Corpora		
C. & A. No. 2 lode and C. & A	No. 2 mill site	
situate inAjo		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 byRalph L. Mot	ZZ	, Mineral
Surveyor, May 27 to June 19	, 19 48under my in	structions dated
April 21 , 1948	3, have been critically examined ar	nd the necessary
corrections and explanations made, and the said Fiel	d Notes and Return, and the Surve	y they describe,
are hereby approved. The certified copy of the local	ation certificate filed by the applica	ent for survey is
on file in this office and a true copy of said certifie	ed copy of said location certificate	is included and
made a part of the transcript of the field notes.		
	Frank M. Cha	faral Engineer.
	Office Cadas	wa Buyineer.

6-7131 U. S. GOVERNMENT PRINTING OFFICE

CERTIFICATE OF AFFROVAL OF FIELD MOTES SING STAVES OF

POPER DESCRIPTION OF THE PROPERTY OF THE PROPE

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