

May 17 1928 1

MINERAL SURVEY No. 4064

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Ivanhoe Copper Company

KNOWN AS THE

IVANCO lode

Warren Mining District,

Cochise County, Arizona

Sections 25 and 36, Township 23 S, Range 24 E, G&SRB&M

Surveyed under instructions dated April 23, 1928

by Ralph L. Motz

U. S. Mineral Surveyor.

Claim located June 24, 19 23

Survey commenced May 7, 19 28

Survey completed May 8, 19 28

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

DATES OF AMENDED LOCATIONS.

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SURVEY NO. 4064

IVANCO lode

Beginning at Cor. No. 1, the N. E. Cor., identical with location, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 1-4064 I, whence a limestone rock in place 10 x 18 x 8 inches high above ground chiseled B R X 1-4064 brs S 73° 58' E 18.9 ft. and a second limestone rock in place 11 x 20 x 4 inches high above ground with like chiseling bears N 2° 46' W 9.1 ft. and the Cor. of Secs. 25 and 36, T 23 S, R 24 E and Secs. 30 and 31, T 23 S, R 25 E, G & S-R B & M brs S 44° 19' E 95.4 ft.

thence S 38° 15' W

290.3 to the N. W. Cor. of the Grand Extension lode unsurveyed also intersect line 1-2 of Survey No. 2177 Bisbee Queen lode at S 51° 45' E 292.0 ft. and N 51° 45' W 1200.0 ft. from Cors. 1 and 2 thereof

1115.0 Cross power line, course northwesterly and southeasterly

1500.0 to Cor. No. 2, the S. E. Cor., identical with location, a pine post 4 inches square set 18 inches in the ground in a mound of stones and scribed 2-4064 I, no bearings available

thence N 51° 45' W

250.0 to original location for the south end center, being a mound of stones 3 feet high with 3 foot base

275.0 intersect line 1-2 of Survey No. 3908 Razole Dazole lode at N 37° 37' E 556.3 ft. from Cor. No. 2 and S 37° 37' W 943.7 ft. from Cor. No. 1 thereof

497.3 to Cor. No. 3, the S. W. Cor., identical with location a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 3-4064 I, whence a limestone rock in place 8 x 14 x 3 inches high above ground chiseled B R X 3-4064 bears N 3° 05' E 48.2 feet and a second limestone rock in place 11 x 28 x 2 inches high above ground with like chiseling brs S 25° 24' W 58.7 ft.

thence N 38° 15' E

258.0 cross power line, course northwesterly and southeasterly  
917.1 to Cor. No. 2 of Survey No. 1958 Piedmont lode, also in-  
tersect line 4-1 of Survey No. 3908 Razle Dazle lode at  
N 58° 52' W 213.6 ft. from Cor. No. 1 and S 58° 52' E  
386.4 ft. from Cor. No. 4 thereof. Cor. No. 1 of Survey  
No. 1958 Piedmont lode bears N 51° 17' E 598.3 ft. from  
this point.

1500.0 to Cor. No. 4, the N. W. Cor., identical with location, a  
pine post 4 feet long 4 inches square set 18 inches in  
the ground in a mound of stones and scribed 4-4064 I,  
whence a limestone ledge with 36 x 58 x 36 inches high  
exposure chiseled B R X 4-4064, brs S 51° 45' E 138.4 ft.

thence S 51° 45' E

135.0 to Cors. 1, 2 and 2 of Survey No. 1958 Piedmont lode,  
Survey No. 1958 Puzzle lode and Survey No. 3279 Don  
Miguel No. 7 lode respectively, also intersect line 4-1  
of Survey No. 2177 Bisbee Queen lode at N. 24° 37' E,  
298.8 ft. from Cor. No. 1 and S 24° 37' W 264.7 ft. from  
Cor. No. 4 thereof.

247.3 to original location for the north end center being a  
mound of stones, 3 feet high with 3 foot base

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

LODE LINE

The presumed course of the vein on this claim is from the  
north end center S 38° 15' W 1500.0 ft.

AREAS

Total area Ivanco lode	- - - - -	-17.125 A
Area in conflict with		
Survey No. 1958 Piedmont lode	- - - -	0.903 A
Survey No. 2177 Bisbee Queen lode	- -	2.181 A
Survey No. 3908 Razle Dazle lode	- -	4.639 A

LOCATION

This claim is situated in Secs. 25 and 36, T 23 S, R 24 E,

Survey No. 4064 (Con't)

G & S R B & M, in the Warren Mining District, Cochise County, Arizona.

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 6 x 9 x 12 feet deep brs from north end center on lode line 550 ft.	Value - - - - - \$ 200.00
No. 2	Open cut 4 x 10 x 25 feet long brg N 55° W mouth of which brs from Cor. No. 2 N 16° 55' E 432.0 ft.	Value - - - - - 150.00
No. 3	Shaft 4 x 6 x 10 feet deep brs from Cor. No. 2 N 7° 30' W 250.0 ft.	Value - - - - - 60.00
No. 4	Shaft 4 x 6 x 10 feet deep brs from Cor. No. 2 N 11° 45' W 250.0 ft.	Value - - - - - 60.00
No. 5	Shaft 4 x 6 x 10 feet deep brs from Cor. No. 2 N 10° 30' W 231.0 ft.	Value - - - - - 60.00
No. 6	Shaft 4 x 6 x 10 feet deep brs from Cor. No. 2 N 13° 15' W 235.0 ft.	Value - - - - - 60.00
	Total Value of Improvements - - - - -	\$ 590.00

INSTRUMENT

This survey was made with a C. L. Berger & Sons No. 1 c transit. The courses were deflected from the true meridian as determined by me for Survey Nos. 3279 and 3908. Distances were measured with 150 and 300 foot steel tapes. Magnetic Variation 12° 30' East at all corners.

ADJOINING CLAIMS

North	Survey No. 1958 Piedmont lode
	Survey No. 2177 Bisbee Queen lode
East	Survey No. 2177 Bisbee Queen lode
	Grand Extension lode, unsurveyed, P. J. Meenan et al owners

South Survey No. 3908 Razle Dazle lode

West Survey No. 3908 Razle Dazle lode

Survey No. 1958 Piedmont lode

REPORT

The Cor. of Secs. 25 and 36, T 23 S, R 24 E, and Secs. 30 and 31, T 23 S, R 25 E, G & S R B & M is an iron pipe with brass cap properly marked.

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

*Ralph L. Moz*

U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.

May 11, 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 \_\_\_\_\_

Ivanhoe Copper Company

known as the IVANCO Lode

and showing the respective capacities in which they acted.

Bert Gmehle, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

~~we~~ I, Bert Gmehle

and \_\_\_\_\_, do solemnly swear that ~~we~~ I assisted Ralph L. Motz

\_\_\_\_\_, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Ivanhoe Copper Company

known as the IVANCO 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, at Phoenix, Arizona.

Bert Gmehle, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me this 11th

day of May, 1928

Charles R. Woods

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

My commission expires May 23<sup>rd</sup> 1929

## 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 23, 1928,  
I have, in strict conformity to the laws of the United States, the official regulations and instruc-  
tions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly  
executed the survey of the Mining Claim of Ivanhoe Copper Company  
....., known as the  
IVANCO lode  
situate in Warren Mining District,  
Cochise County, Arizona, in Section 8  
25 and 36, Township No. 23 S, Range No. 24 E, G & SRB & M  
and designated as Survey No. 4064, 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 certifi-  
cate, 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,  
..... this 11th  
day of May, 1928

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

May 21, 19 28

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

Ivanhoe Copper Company

known as the IVANCO lode

situate in Warren

Mining District, Cochise County, Arizona

in Section s 25 & 36, Township No. 23 S., Range No. 24 E., and

designated as Survey No. 4064, 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 5 shafts, total value \$590.

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

May 21, 1928

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

Ivanhoe Copper Company

, known as the

IVANCO lode

situate in Warren mining district,

Cochise County, Arizona

in Section s 25 and 36, Township No. 23 S., Range No. 24 E.

, designated as Survey No. 4064

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

Surveyor, May 7 - 8, 1928, under my instructions dated

April 23, 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.



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