

Oct. 22
1937

1

4-683

MINERAL SURVEY No. 4206

Arizona

Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation

KNOWN AS THE

X V, X V # 1, and X V # 2 lodes

Copper Mountain

Mining District,

Greenlee

County,

Arizona

Section 8

, Township

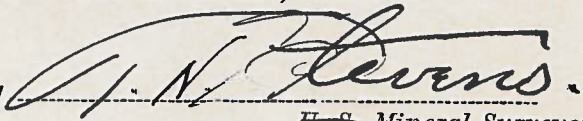
4 S.

, Range

29 E.

Surveyed under instructions dated Sept 30, 1937

By



U. S. Mineral Surveyor. G. L. O.

Claim located See location notices herewith.

Survey commenced October 15, 1937

Survey completed October 25, 1937

T. & T. Bldg.,

Address of claimant Messrs Ellinwood & Ross, Phoenix, Ariz.

Attys for Claimant.

DATES OF AMENDED LOCATIONS

See location notices herewith.

Feet.

MINERAL SURVEY NO. 4206

Feet

Mineral Survey No. 4206 was made with a Gurley mountain transit with horizontal limb 6.5 ins. diam. having two opposite verniers and full vertical circle, 5 ins. diam. having one double vernier. The verniers read to one minute of arc.

The instrument was in good condition at the time of the survey, all adjustments were in good order. An A.M. altitude observation for azimuth and at noon on the meridian for latitude and time were made on a line of the survey. The details of which observations are shown in the calculation sheets, herewith submitted for examination.

All azimuths in this record are referred to the true meridian by the method of deflection angles, and calculated courses.

The lines were measured with a Luffin steel tape, 500 ft. in length, graduated every foot, with the first and last foot graduations to tenths and hundredths. The tape was correct at the time of the survey.

All lines and connections in this survey was run directly upon the ground.

The magnetic variation observed at each corner gave a uniform value of 14°45' E.

X V Lode

Beginning at Cor. No. 1 of the X.V. lode, identical with Loc. Mon. and Cor. Nos. 2, 3 and 4, Sur. No. 1867 R.A.M., Old Year and New Year No. 2 lodes respectively, claimant herein; Where I -

Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 1, X.V. - 4206, 2, R.A.M., 3 O Y, 4 N.Y No. 2 - 1867, from which the 1/4 Cor. bet. Secs. 5 and 8 T.4.S., R. 29 E. brs. N.1°20'E. 1078. 43 ft. dist. consisting of an iron post, set firmly in the the ground, stamped 1/4 S. 5, S. 8

No other bearings are available.

Thence S. 6°33'E.

300.00 To W. end center, identical with Loc. Mon. and E. end center Sur. No. 1867 R.A.M. lode,

A pine post 4 ins. sq. set firmly in the ground and surrounded with md of stone, scribed E. Cr. R.A.M., W Cr. X V

601.18 To Cor. No. 2, identical with loc. Mon. and Cor. No. 1 X V. #.1 lode of this Sur. and Cor. Nos. 2 and 3, Sur. No. 1867, Holiday and R.A. M. lodes respectively; Where I -

Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, (set) 18 ins. in the ground, and surrounded with md of stone, stamped 2, XV, 1 XV No. 1 - 4206 and 2 H, 3 R.A.M. - 1867

No bearings are available.

Thence N. 71°57'E.

1060.69 Intersect line 4-1, Sur. No. 3414, Mohican lode, claimant herein at S. 18°56'W., 496.73 ft. from Cor. No. 1.

1263.87 To Cor. No. 3, identical with Loc. Mon. and Cor. No. 4 X.V. #.1 lode of this Sur. and on line 4-1 XV #.2 lode of this. Sur.; Where I

Feet.

MINERAL SURVEY NO. 4206
XV Lode - Cont'd.

- Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 3 X.V. 4 XV.No.1 - 4206
- No bearings are available.
- Thence N. 6°33'W.,
- 301.18 To E. End center, identical with Loc. Mon. Where I -
- Set a pine post 4 ins. sq. by 4 ft. high, set firmly in the ground and surrounded with md of stone, scribed E. Cr. XV.
- 377.22 Intersect line 4-1, Sur. No.3414 Mohican lode at S. 18°56'W., 33.98 ft. from Cor. No.1.
- 601.18 To Cor. No.4, identical with Loc. Mon. and Cor. No.4, Sur. No.1867 Isma lode, on line 3-4, Sur. No.1867 New Year No.2 lode at S.71°57' W., 116.07 ft. from Cor. No. 3. Set a steel post 2 ins.diam.with lead cap on top, 24 ins.above ground, 18 ins. in the ground and surrounded with md.of stone, stamped 4 XV-4206, 4 I-1867.
- No bearings are available.
- Thence S. 71°57'W.,
- 1263.87 To Cor. No.4 and place of beginning.
- XV #.1 lode.
- Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.2 XV Lode of this Sur. and Cor. Nos. 2 and 3 Sur. No.1867, Holiday and R.A.M. lodes respectively, heretofore described. from which the 1/4^{Sec.} Cor. bet. Secs. 5 and 8, T.4 S. R. 29 E. brs. N. 1° 29' 09"W., 1675.09 ft. dist.
- No other bearings are available.
- Thence S. 6°33'E.
- 164.9 To W. End center, identical with Loc. Mon., Where I -
- Set an oak post 4 ins. diam. by 4 ft. high, set firmly in the ground, and surrounded with md of stone, scribed W. Cr. XV No.1
- 379.48 Intersect line 1-2 Survey No.1867, Alaska lode, S. 62° 38' W. 9.05 ft. from Cor. No. 2 thereof.
- 379.5 To Cor. No.2, identical with Loc. Mon. and on line 2-3 and 1-2, Sur. No.1867, Alaska and Holiday lodes respectively, Where I -
- Set a steel post 2 ins. diam, with lead cap on top, 24 ins. above ground, set 18 ins. in the ground, and surrounded with md of stone, stamped 2 XV No.1 - 4206.
- Cor. Nos. 1 and 2, Sur. No.1867 Artic and Alaska lodes brs. N.62°31'E. 9.06 ft. dist.
- No other bearings are available.
- Thence N. 71°57'E.
- 9.18 Intersect lines 2-3 and 4-1 Alaska and Artic lodes Sur. No.1867 at S.27°22'E. 1.48 ft. from Cor. Nos. 1 and 2.
- 856.29 Intersect line 4-1 Sur. No.3414 Mohican lode at S.18°56'W., 962.27 ft. from Cor. No.1
- 1021.29 Intersect line 2-3 Sur. No.1867 Artic lode at S. 27°29'E., 167.39 ft. from Cor. No. 2. Cor.No.2 said Artic lode brs. N. 62° 31' E. 998.42 ft. from Cor. No. 1 thereof.
- 1263.87 to Cor. No.3, identical with Loc. Mon. Where I -

Feet.

MINERAL SURVEY NO. 14206
XV No. 1 lode, Cont'd.

Set a steel post 2 ins. diam., with lead cap on top, 24 ins. above ground, ~~set~~ 18 ins. in the ground, and surrounded with md of stone, stamped 3 XV No.1-4206

No bearings are available.

Thence N. 6° 33' W. 496.73 ft.

214.60 To E. end center, identical with Loc. Mon. and Cor. No. 4 XV #.2 lode of this Sur. Where I-

Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, ~~set~~ 18 ins. in the ground and surrounded with md of stone, stamped E. Cr. XV No.1, 4 XV No.2-4206

No bearings are available.

379.50 To Cor. No. 4, identical with Loc. Mon. and Cor. No. 3, XV Lode of this sur. heretofore described.

Thence S. 71° 57' W. 496.73 ft.

203.18 Intersect line 4-1 Sur. No. 3414 Mohican lode at S. 18° 56' W., 496.73 ft. from Cor. No. 1.

1263.87 To Cor. No. 1 and place of beginning.

XV #.2 lode.

Beginning at Cor. No. 1, identical with Cor. No. 4 XV lode of this Sur. and Cor. No. 4, Sur. No. 1867 Isma lode, and on line 3-4 Sur. No. 1867 New Year No. 2 lode, heretofore described, S. 71° 57' W. 116.27 ft. from Cor. No. 3. The 1/4 Sec. Cor. bet. Secs. 5 and 8, T. 4S. R. 29 E. brs. N. 59° 44' 20" W., 1362.16 ft. dist.

Loc. Mon. brs. N. 16° 30' W., 740 ft. Consisting of md of stone.

Cor. No. 1, Sur. No. 3414 Mohican lode brs. S. 10° 52' 30" E., 193.84 ft. dist., hereinafter described.

Thence N. 35° 55' E.

143.53 Intersect line 2-3, Sur. No. 1867 New Year No. 2 lode at N. 18° 03' W., 84.43 ft. from Cor. No. 3

300.00 To N. end center, Where I-

Set an oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone, scribed N. Cr. XV No. 2 - Loc. Mon. brs. N. 6° 33' W. 560 ft., consisting of md. of stone

452.95 Intersect line 1-2 Sur. No. 1867 Hennessey lode at N. 11° 32' W., 890.31 ft. from Cor. No. 2.

456.10 To Cor. No. 2, where I-

Set a steel post 2 ins. diam. with lead cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 2 XV No. 2-4206

Loc. Mon. brs. N. 0° 30' W., 480 ft., consisting of a md. of stone.

No other bearings are available.

Thence S. 11° 25' E

696.20 Intersect line 1-2, Sur. No. 3414, Mohican lode at S. 71° 36' E., 388.54 ft. from Cor. No. 1

MINERAL SURVEY No. 4206
XV No. 2 Lode Cont'd.

703.42 To Cor. No. 3 Where I -
Set a steel post 2 ins. diam. with lead cap on top, 24 ins above ground, set 18 ins. in the ground and surrounded with md of stone, stamped 3 X V No. 2 - 4206.

Loc. Mon. brs. S. 29°25'E., 340 ft., consisting of a md. of stone.
Cor. No. 2 Hennessey lode brs. S. 11°15'36" E., 189.03 ft. dist.
Sur. No. 1847

No other bearings are available.
Thence S. 35°55'W.

241.21 Intersect line 1-2 Sur. No. 1867 Hennessey lode at N. 11°32'W., 188.21 ft. from Cor. No. 2.

244.48 To S. end center, where I -

Set a mesquite post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, scribed S. Cr. XV No. 2. Loc. Mon. bears S. 6° 33' E. 185 ft. dist., consisting of md. of stone.

544.48 To Cor. No. 4, identical with Loc. Mon. and E. end center XV #. 1 lode of this Sur., heretofore described.

Intersect line 4-1 Sur. No. 3414 Mohican lode at S. 18°56'W., 766.08 ft. from Cor. No. 1 and place of beginning.

164.9 To Cor. Nos. 3 and 4 XV and XV No. 1 lode of this Sur., heretofore described.

466.08 To E. end center XV lode of this Sur., heretofore described.

542.12 Intersect line 4-1 Sur. No. 3414 Mohican lode at S. 18°56'W., 33.98 ft. from Cor. No. 1.

766.08 To Cor. No. 1 and place of beginning.

LODE LINES.

The presumed course of the vein of each of the several lode locations embraced in this survey, counted from the respective points of discovery is as follows:

- X V Lode, N. 71°57'E., 60.0 ft., and S. 71°57'W., 1203.87 ft.
- # X V No. 1 lode, S. 71°57'W., 30.0 ft., and N. 71°57'E., 1233.87 ft.
- # X V No. 2 lode, N. 6°33'W., 290.0 ft., and S. 6°33'E., 476.08 ft.

AREAS.

Total area, XV Lode -----	Acres. 17.093
Area in conflict with Sur. No. 3414 Mohican lode -----	0.862
Total area, XV #. 1 lode -----	10.789
Area in conflict with Alaska lode -----	0.000
Sur. No. 1867 Alaska lode -----	1.935
Sur. No. 1867 Artic lode -----	1.567
Sur. No. 1867 Artic lode, exclusive of its conflict with Sur. No. 1867 Mohican lode -----	2.607
Sur. No. 3414 Mohican lode -----	2.270
Sur. No. 3414 Mohican lode, exclusive of its conflict with Sur. No. 1867 Artic lode -----	2.270

MINERAL SURVEY No.4206

AREAS - Cont'd.

	Acres
Total area X V #2 lode -----	5.940
Area in conflict with -	
Sur. No.3414 Mohican lode -----	2.468
Sur. No.1867, Hennessey lode, -----	0.026
Sur. No.3414, Mohican lode, exclusive of its conflict (nominal), with Sur. No.1867, Hennessey lode, -----	0.026
Sur. No. 1867, New Year No.2 lode, -----	2.468
	0.112

LOCATION

This survey is located in the N.1/2 Sec. 8, T.4S. R. 29 E., G. & S. R. M

and of the XV#2 lode is within, The Survey of the XV and the XV #1 lodes is identical with the respective amended locations as marked upon the ground.

EXPENDITURE OF FIVE HUNDRED DOLLARD.

I certify that the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors is not less than \$500.00 and that said improvements consist of;

XV lode

No.1 The discovery point of the X.V Lode, is on the lode line, 60 ft. from a point on line 3-4, 301.18 ft. from Cor. No.3, a md. of stone on outcrop.

No Value.

No.2 A cut, the mouth of which brs. from Cor. No.3, N. 16°30'W., 330 ft. 12 ft. wide, 12 ft. face, running N.10°W., 18 ft. to face.

Value \$200.00

No.3 A cut., the mouth of which brs. from Cor. No.3 S.81°12'W., 375.0 5 ft. wide, 8 ft. face, running North, 18 ft. to face.

Value \$100.00

An undivided 1/3 interest in improvement No.5, X V #2 lode, this Sur. hereinafter described, credited to this lode.

Value \$678.00

XV #1 lode

No.1 The discovery point of the XV #1 lode, is on the lode line, 30 ft. from a point on line 1-2, 164.9 ft. from Cor. No.1, A md of stone on outcrop.

No value.

No.2 A cut, the mouth of which brs. from Cor. No.1, S.14°30'E., 190 ft. 5 ft. wide, 12 ft. face, running S. 18°E., 15 ft. to face., from face is a tunnel, 5 x 7 ft. running S. 18°E., 20 ft. to breast.

Value, Cut and tunnel \$300.00

An undivided 1/3 interest in improvement No.5 X V #2 lode of this sur., hereinafter described, credited to this lode.

Value \$678.00

XV #2 lode.

No.1 The discovery point of the X V No.2 lode, is on the lode line, 290 ft. from a point on line 1-2, 300 ft. from Cor. No.1, a md. of stone on outcrop.

No Value.

No.2 A cut, the mouth of which brs. from Cor. No.1, S.74°15' E., 175 ft. 5 ft. wide, 8 ft. face, running S. 36° W., 15 ft. to face.

Value \$100.00

No.3 A cut, the mouth of which brs. from Cor. No.1, S. 80°03'E., 170 ft. 5 ft.

MINERAL SURVEY NO. 4206
OTHER CORNER DESCRIPTIONS + Cont'd.

Sur. No.1867- Cors Nos. 3 and 4 Isma both corners were rotted off but the original posts were found lying on the ground. I set a steel post in the exact position of Cor. No.4 as described in the foregoing field notes. Line 3-4 was found to be correct as approved.

Cors No. ~~2&3~~^{2&3}, New Year No.2 lode, all that remains of ^{each of} these Cors is the old md of stone. Lines ~~3-4~~^{2-3 &} were found to be correct as approved.

Sur. No.3414 Mohican lode. Cor. No.1 is a 4 x 6 pine post properly set and scribed with the number of the Cor. and the Sur. All that remains of Cors Nos 2 and 4 are the old stone monuments with the posts missing. I find all courses and distances of this Sur. to be correct as approved.

A diligent search was made for the Cor. to Secs 4-5-8 and 9, T.4S. R. 29 E. but no evidence of same could be found.

ADJOINING CLAIMS.

On the North by Sur. No.1867, New Near No.2 and Isma lodes.

On the East by Sur. No.1867, Hennessey and Sur. No.3414 Mohican lode.^s

on the South by Sur. No.1867, Alaska and Artic lodes and Sur. No. 3414 Mohican lode.

On the West by Sur. No.1867, R.A.M. and Holiday lodes.

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by T.N. Stevens

G.L.O

~~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 XV, XV #1 and XV #2 lodes

and showing the respective capacities in which they acted.

Lewis A. Smith, Chainman.

....., Chainman.

....., Assman.

....., Flagman.

FINAL OATHS OF ASSISTANTS

^I
We, Lewis A. Smith

~~and~~, do solemnly swear that ~~we~~ ^I assisted T.N. Stevens
G.L.O

....., ~~United States~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claims of Phelps Dodge Corporation

known as the XV, XV #1, and XV #2 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 our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona

Lewis A. Smith, Chainman.

....., Chainman.

....., Assman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 25th

day of October, 1937, 19

H. A. E. Hult

NOTARY PUBLIC

FINAL OATH OF U. S. MINERAL SURVEYOR

I, T.N. Stevens, ~~U.S.~~ ^{G.L.O.} Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Ariz, dated Sept 30, 1937,
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 X V, X V # 1 and X V # 2 lodes, situate in Copper Mountain Mining District, Greenlee County, Arizona, in Section 8, Township No. 4 S., Range No. 29 E. and designated as Survey No. 4206, 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.

T.N. Stevens
(U. S. Mineral Surveyor) G.L.O.
T.N. Stevens

Subscribed and sworn to by the said T.N. Stevens
U. S. Mineral Surveyor, before me J. Richey Notary Public of Pima County, Arizona this 21st day of January, 1938

J. Richey
Notary Public

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona,

March 9, 1938

I, 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 XV, XV#1, and XV#2 lodes

situate in Copper Mountain

Mining District Greenlee County Arizona

in Section 8, Township No. 4 S, Range No. 29 E., and

designated as Survey No. 4206, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant

or its grantors,

and that said improvements consist of 7 cuts, 3 tunnels, 1 stope, 1 winze, 2 crosscuts and 1 drift, total value \$2994.

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.

Sherman C. Fiske

Office Cadastral Engineer.

4-687

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

March 9, 1938, 1938

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

XV, XV#1, and XV#2 lodes

situate in Copper Mountain mining district,

Greenlee County, Arizona

in Section 8, Township No. 4 S., Range No. 29 E.

....., designated as Survey No. 4206

executed by T. N. Stevens, U.S. Mineral

Surveyor, October 15 - 25, 1937, under my instructions dated

September 30, 1937, 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.

Sherman C. Fiske
Office Cadastral Engineer