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Expire 1906 / 2
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(4-683.)

Mineral Survey No. 2238

Lot No.

GILA Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MINERAL HILL CONSOLIDATED COPPER COMPANY.

KNOWN AS THE

HUGHES NO. 1. LODGE

P. I. M. A Mining District.

P. I. M. A County, A. R. I. Z. O. N. A

Sections 1 & 2, Township 17 S., Range 12 E.

Surveyed under instructions dated March 21st, 1906.

by Philip Contzen
U. S. Deputy Mineral Surveyor

Claim located See location notice, 1

Survey commenced April 6th, 1906

Survey completed April 6th, 1906

6-107

See
page 4
etc.
over

Address of Claimants: Mly.
Charles Blinnman
Tucson, Arizona.

See the line

4-21-1906
Deputy asked for location

Sur. No. 2238
HUGHES No. 1 LODE.

Beginning at Cor.No.1. Identical with Cor.No.2 of the Crest Lode, Survey No.1649, which is a limestone 14 x 10 x 8 ins. above the ground with a mound of stone alongside.

I now chisel thereon 1-2238 whence

The N.E.Cor. of the location, which is a mound of stone 3 ft. base and 2 ft. high bears S.81°E.980 ft. dist.

The section corner common to Secs. 35 & 36, T.16 S.,R. 12 E. and Secs. 1 & 2, T. 17 S.,R. 12 E. bears N.41°-46'W. 201 ft. dist.

Orphans Hill near Helvetia in the Santa Rita Range bears S.59°E.

Rincon Peak bears N.74°-10'E.

Thence S.11°-35'E.

Var. 13°E.

15 Road, bears N.E. & S.W.
185 East end center of the survey. Raise a mound of stone 3 ft. base and 2 ft. high, whence the East end center of the location, which is a mound of stone 3 ft. base and 2 ft. high bears S.80½°E. 985 ft. dist.

287.8 Cor.No.2. On the N.E. side line of the Plumed Knight Lode, unsurveyed and on the line 3 - 4 of the Daisy Lode, Survey No.1649.

Set a limestone 24 x 8 x 3 ins. 18 ins. in the ground chiseled 2-2238 and raise a mound of stone alongside, whence

The S.E. corner of the location, being a mound of stone 3 ft. base and 2 ft. high, bears S.76°E. 1030 ft. dist.

A palo verde 4ins. in diam. bears S.59½°W. 41 ft. dist. blazed and scribed 2-2238 B T and

A cross (x) and 2-2238 B R, chiseled on a lime boulder in place bears S.75½°E.71 ft. dist.

Thence N.70°-41'W.

203.1 On the N.E. side line of the Plumed Knight Lode, unsurveyed. Intersect line between secs. 1 & 2, T.17 S.,R.12 E., at a point from which the section corner bears North 364.7 ft. dist. *and ¼ sec. cor. brs. S. 2097.9 ft.*

305 Road, bears N.E. & S.W.

560.1 Cor.No.3. Identical with the West end center of the survey and of the location, which is a mound of stone 3 ft. base and 2 ft. high.

Set a limestone 24 x 18 x 3 ins. 18 ins. in the ground, chiseled 3-2238 and a cross (x) and raise a mound of stone alongside. Whence

The S.W.Cor. of the location, which is a mound of stone 3 ft. base and 2 ft. high bears S.11°-35'E. 200 ft. dist.

A palo verde 5 ins. in diam. bears S.89½°W.34 ft. dist. &

A palo verde 6 ins. in diam. bears N.28°W.30ft. dist. both blazed and scribed 3-4-2238 B T.

Thence N.11°-35'W.

Var. 13°E.

0.1 Cor.No.4. On the line 2-3 of the Crest Lode, Survey No.1649. Falls on stone set for Cor.No.3 of this survey. I now chisel thereon a cross (x) and 4-2238.

Whence, the N.W. Cor. of the location, which is a mound of stone 3 ft. base and 2 ft. high bears N.11°-35'W. 200 ft. dist.

Thence N.78°-25' E.

Var. 13°E.

343.9 On the line 3-2 of the Crest Lode, Survey No.1649 Intersect the line between secs. 1 & 2, T. 17 S.,R.12 E. at a point from which the Sec.Cor. bears North 177.4 ft. dist. *and ¼ sec. cor. brs. S. 2185.2 ft.*

480.6 Cor.No.1 the place of beginning.

A R E A.

Containing 1.588 Acres.

L O C A T I O N.

This claim is located in Secs. 1 & 2, T.17 S., R. 12 E., G. & S.R., E. & Mer.

A D J O I N I N G . C L A I M S .

This claim is bounded on the North by the Crest Lode, Survey No.1649

On the East by the Daisy Lode, Survey No.1649 and on the South and West by the Plumed Knight Lode, Unsurveyed.

C O U R S E O F V E I N .

The course of the vein of this lode is N.80°-32'W. 515 ft. running from the East end center monument to the West end *line*.

E X P E N D I T U R E O F F I V E H U N D R E D D O L L A R S .

I certify that the value of the labor and improvements upon this claim placed thereon by the claimants and their grantors is not less than \$500 and that said improvements consist of

From the West end center

The discovery shaft No.1, 6 x 4 x 15 ft. bears S.80°-32'E. 390 ft. dist. Value \$150.00

From Cor.No.1

A shaft No.2, 6 x 4 x 35 ft. deep bears S.4° W. 47ft. dist.

- Value \$350.00

I N S T R U M E N T .

(11) This survey was made with a Young and Sons / Light Mountain Transit with a solar attachment. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a hundred foot steel tape.

P O L A R I S O B S E R V A T I O N .

At Cor.No.1 of this lode on April 6th. 1906 at 6 h. 35 m., p.m., l.m.t. I observe Polaris at western elongation and mark this line by a bolt 18 ins. long set 300 ft. E. of my station. On April 7th. at 7 a.m., I deflect the azimuth 1°-25' to the East.

From the meridian thus established I determine the courses of this survey which agree with the courses as determined by the solar within one minute.

N O T E .

The disagreement between the notes of this Survey and Survey 1649 is due to the replacement of the posts in the location corners of the Plumed Knight Lode, Unsurveyed.

via 3D...

signed...

*Philip Cortzen
U. S. Deputy Mineral Surveyor*

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Philip Contzen

United States Deputy 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

Mineral Hill Consolidated Copper Co.
known as the Hughes No. 1

and showing the respective capacities in which they acted.

- Frank K. Blair, Chainman.
- John M. Trayer, Chainman.
- Frank Blair, Axman.
- Casimir R. Barthelmy, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Frank K. Blair, John M. Trayer
and Casimir R. Barthelmy, do solemnly swear that we assisted Philip Contzen

Contzen, United States Deputy Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Mineral Hill Consolidated Copper Co.
known as the Hughes No. 1

represented in the foregoing field notes as having been surveyed by said deputy 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 United States Surveyor-General for Arizona

- Frank K. Blair, Chainman.
- John M. Trayer, Chainman.
- Frank K. Blair, Axman.
- Casimir R. Barthelmy, Flagman.

Subscribed and sworn to by the above-named persons before me this 10th
day of April, 1906

H. G. Power

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Philip Contzen, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated March 31, 1906, 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 Mineral Hill Consolidated Copper Co., known as the Hughes No 1, situate in Pima County, Arizona, in Section 122, Township No. 17 S., Range No. 12 W. 4 S. R. 10 E. M. and designated as Survey No. 2238, 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 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 their 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.

Philip Contzen
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Philip Contzen,
U. S. Deputy Mineral Surveyor, before me H. G. Power, a
Notary Public this 10th
day of April, 1906,

H. G. Power

Affidavit of Five Hundred Dollars Improvements.

We, Frank R. Blair and Casimiro R. Barthelmy

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Hughes No. 1 mining claim, situate in Pima

mining district, Pima County, Arizona Territory, for which

Mineral Hill Consolidated Copper Co.

has made application for survey prior to application for patent under the provisions of the Act of Congress approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and its grantor exceed five hundred dollars in value, and further that we are not personally interested in said mine.

Frank R. Blair
Casimiro R. Barthelmy

TERRITORY OF ARIZONA,
COUNTY OF Pima } ss:

Sworn to and subscribed before me this 10th day
of April, 1906

[SEAL.]

H. G. Power
Notary Public

17171b400-3-05

My Commission Ex.
April 27th, 1908.

HUGHES NO. 1 MINING CLAIM.

NOTICE OF MINING LOCATION: Quartz Claim.
TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the "Hughes" No. 1, 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 Thomas Hughes, Jr., the undersigned, on the 13th day of April, 1902. The length of this claim is 1500 feet and I claim 270 feet in a westerly direction and 1230 feet in an easterly direction from the center of the discovery shaft, on which this notice is posted, lengthwise of the claim, together with about 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 and is about cross ledges of continuation of same orders of copper. The claim is situated and located in the Pima Mining District in Pima County, in the Territory of Arizona, in the Territory of Arizona, about two miles in a North direction from Helmet Peak and is between Crest Mine on the North ^{and} ~~of~~ Plumed Knight on the South.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at this location is a cross ledge and crosses the Daisy and Surprise Mine in Easterly direction at a point in a westerly direction 270 feet from the discovery shaft (on which this notice is posted) being in the center of the West end line of said claim; thence South feet to a monument of stone, being the Southwest corner of said claim; thence East 1500 feet to a monu-

TERRITORY OF ARIZONA, }
County of Pima } ss.

I, Chas A. Shihell County Recorder in and

for the County of Pima, do hereby certify that the above and foregoing is a full, true and correct copy
of Hughes No. 1 Mining Claim, situated in Pima Mining
District, Pima Co. A. T. Located April 13th 1902

as appears of Record now in my office in Book D. D. Records of Mines Pages 319

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my

official seal, at my office in Tucson, this 29th day
of March A. D. 1906

Chas A. Shihell
County Recorder of Pima County, Arizona.

by D. M. S. deputy.

ment of stone being at the southeast corner of said claim; thence North 300 feet to a monument of stone being the center of the East end of said claim; thence North 300 feet to a monument of stone being at the West corner of said claim; thence West 1500 feet to a monument of stone at the Northwest corner of said claim; thence South 300 feet to the place of beginning. This is an original location. All done under the provisions of Chapter VI of Title XXXII of the Revised Statutes of the United States and of an act of the General Assembly of Arizona, entitled, "An act to Modify and Revise the laws of the Territory of Arizona" approved March 16th, 1901.

Dated and posted on the ground this 13th day of April, 1902.

Thomas Hughes, Jr.

Witness:

Thomas Hughes,

William Hughes.

Filed and recorded at request of Thos. Hughes,
July 12, A.D. 1902, at 3:30 P.M.

Chas. A. Shibell,

County Recorder.

(Book 1.1. page 319)

The Hughes No. 1.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

June 14th, 1906.

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 Mineral Hill Consolidated Copper Co., known as the Hughes No. 1 Lode, situate in Pima Mining District, Pima County, Arizona, in Sections 1 and 2, Township No. 17 S., Range No. 12 E., and designated as Survey No. 2238, 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 two shafts, total value \$500.00

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 S. Ingalls,

United States Surveyor-General for District of Arizona.

(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,

Phoenix, Arizona,

June 14" , ~~18~~ 1906.

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 Mineral Hill Consolidated Copper Co.
.....
....., known as the
..... Hughes No. 1 Lode
situate in P i m a mining district,
..... Pima County, Arizona,
in Section s. 1 and 2, Township No. 17 S., Range No. 12 E.
....., designated as Survey No. 2238,
executed by Philip Contzen, U. S. Deputy Mineral
Surveyor, April 6th, 1906, 18 , under my instructions dated
March 31st, 1906, 18 , 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. A true copy of the copy of the location
certificate filed by the applicant for survey is included in the field notes.

Frank S. Ingalls

U. S. Surveyor General for District of Arizona.

T.16S., R.12 E.

12

Sec. 35 Sec. 36

Sec. Cor.

Sec. 2
T.17S.

Sec. 1
R.12 E.

Loc. Mon.

Crest.
SUR. No. 1649

N.11°35'W.0.1
N.11°35'W.200

N.78°25'E.

480.6

Road

To N.E. Cor. of location
S.81°E.980

Hughes No. 1.

Daisy
SUR. No. 1649

Presumed Course of Ver. p.

N.70°41'W

No. 390
Dis. Staff.

N.80°32'W.515

To F.E.C. of location
S.80°E.985

S.11°35'E.200

Loc. Mon.

Plumed Knight.
UNSURVEYED.

560.1

To S.E. Cor. loc. S.76°E.1030

Survey No. 2238.

GILA LAND DISTRICT

Surveyed April 6-1906

By Philip Contzen
U.S. Dep. Min'l. Surveyor.