

4-683.

Mineral Survey No. 3272.

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Marion M. Malarky

KNOWN AS THE

"Gulch Copper," "Grand Duke".

Bunker Hill Mining District,

Pinal County, Arizona.

Sections , Township 8 S., Range 18 E., Unsurveyed.

Surveyed under instructions dated Feb. 26th., 1916.

by Paul E. Fernald
U. S. Deputy Mineral Surveyor

Claim located See Location Notices

Survey commenced March 8th., 1916.

Survey completed March 10th., 1916.

6-100

Address of claimant;

T. M. Smith, Agent,

Box 633, Tucson, Arizona.

MINERAL SURVEY NO. 3272.

Feet.

GULCH COPPER LODE.

Beginning at Cor.No.1. identical with corner of location.

A 4x4" post, 5 ft. long, set $1\frac{1}{2}$ ft. in the ground, marked 3272, 1 G.Cop. on side facing claim and surrounded by mound of stones.

Whence U.S.L.M.No.3272, Bunker Hill Mining District, Pinal County, Arizona, bears N $36^{\circ} 13\frac{1}{2}'$ W, 1135.96 ft.

Thence S $56^{\circ} 59'$ E

300.00 South End Center Monument, identical with monument of location, a 2x6" post, 4 ft. above ground, surrounded with mound of stones 3 feet in height.

362.96 Intersects line 1-2, Grand Duke Lode, this survey, at point S $28^{\circ} 12'$ W, 483.57 ft. from Cor.No.1.

375.00 Crosses center Mulberry Creek, running West.

600.00 Cor.No.2, identical with corner of location.

A 4x4" post 5 ft. long, set $1\frac{1}{2}$ ft. in ground, marked 3272, 2-G.Cop. on side facing claim and surrounded by mound of stones.

Thence N $34^{\circ} 12'$ E

264.00 Crosses small creek at bend from N.E. to West.

506.25 Intersects line 4-I, Grand Duke Lode, this survey, at point S $61^{\circ} 48'$ E, 289.12 ft. from Cor.No.1.

750.00 Side Center Monument of location - monument of stones 3 ft. high.

1136.00 Crosses small creek running west.

1500.00 Cor.No.3,

A 4x4" post, 5 ft. long, set $1\frac{1}{2}$ ft. in ground, marked 3272 3-G.Cop., on side facing claim and surrounded with mound of stones.

Whence old location corner bears N $34^{\circ} 12'$ E, 22.5 ft. a monument of stones 3 ft. high.

Thence N $56^{\circ} 59'$ W.

295.00 Crosses small creek running south-west.

300.00 North End Center, a 2x6" post 4 ft. above ground surrounded by mound of stones 3 feet high. Whence old location monument

- bears N 34° 12'E, 14:feet, - a monument of stones 3 feet high.
- 600.00 Cor.No.4.identical with corner of location.
A 4x4" post, 5 ft. long, set 1½ ft. in the ground, marked 3272 4-G.Cop., on side facing claim and surrounded by mound of stones.
Whence Cor.No.3, Longstreet Lode, Survey No.3263, bears N 16° 26'W, 6385.63 ft.
Thence S 34° 12'W
- 750.00 Side Center monument of location - a monument of stones 3 feet high.
- 1500.00 To Cor.No.I, the place of beginning.
- GRAND DUKE LODE.
Beginning at Cor.No.I, identical with N.W.Cor.of Location.
A 4x4 post 5 ft.long, set 1½ ft.in ground, marked 3272 1-G.Duke on side facing claim and surrounded by mound of stones.
Whence U.S.L.M. No.3272, Bunker Hill Mining District, Pinal County, Arizona, bears N 60° 15½'W, 1386.80 ft.
Cor.No.2, Gulch Copper Lode, this survey, bears S3° 4'W, 556.13 feet.
Thence S 28° 12'W
- 293.00 To W.End Center monument - identical with monument of location - a monument of stones 3 feet high.
- 483.57 Intersects line I-2, Gulch Copper Lode, this survey, at point N 56° 59'W, 237.04 feet from Cor.No.2.
- 499.00 Crosses Mulberry Creek, running West.
- 593.00 Corner No.2.
A 4x4" post 5 feet long, set 1½ feet in ground, marked 3272 2-G.Duke on side facing claim and surrounded by mound of stones.
Whence S.W.Cor. of location - a 4x4" post 4 feet above ground in mound of stones, bears S 28° 12'W, 35.75 feet.
top sharp porphyry rock marked X-B.R.3272, 2 G.D. bears N 5° 29'E, 32.21 feet.

Mineral Survey 3272, (cont.)

Thence S 61°48'E

- 1400.00 Crosses small creek running North.
- 1500.00 Corner No.3. identical with corner of location.
A 4x4" post 5 feet long, set 1½ feet in ground, marked 3272
3-G.Duke on side facing claim and surrounded by mound of stones.

Whence Oak bearing tree 16 inch in diameter, marked X B.T.
3272, 3-G.D. bears N 81°19'E, 16.37 feet.

Thence N 28°12'E

- 295.00 Crosses small creek running N.W.
- 300.00 E.End Center, identical with monument of location, a post in monument of stones 3 feet high.
- 481.00 Crosses small creek running W.- N.W.
- 593.00 Corner No.4, identical with corner of location.
A 4x4" post 5 feet long, set 1½ feet in ground, marked 3272, 4-G.Duke on side facing claim and surrounded by mound of stones.

Thence N 61°48'W

- 1210.88 Intersects line 2-3 Gulch Copper Lode, this survey, at point N 34°12'E, 1506.25.ft. from Cor.No.2.
- 1425.00 Crosses Mulberry Creek, running South.
- 1500.00 Cor.No.I, the place of beginning.

* * * * *

MAGNETIC VARIATION at all Corners 13°45'East.

No bearing objects available except where specifically noted in description of corners.

* * * * *

(LODE LINES).

As near as can be determined from present developments, the veins of the several locations embraced in this survey extend as follows from their respective discovery points:-
Gulch Copper, N 34°12'E, 750.feet, and S 34°12'W, 750.feet.
Grand Duke, S 61°48'E, 1500.feet.

4

AREAS.

Total area Grand Duke Lode 20.420 acres

" " Gulch Copper Lode. 20.657 "

Conflict Gulch Copper with Grand Duke Lode. 2.982 "

~~A four sided tract bounded as follows: beginning at Cor.No.I, Grand Duke Lode, thence S 28 12'W, 483.57 ft. thence S 56 59'E, 237.04 ft., thence N 34 12'E, 506.25 feet, thence N 61 48'W, 289.12 feet to point of beginning, comprising 2.982 acres.~~

LOCATION.

This survey is located in ~~aprox. the N.W. 1/4 of Section 23 and the S.W. 1/4 of section 14, T 8 S, R 18 E, G. & S. R.M. Unsurveyed, in the Bunker Hill Mining District, Pinal County, Arizona.~~

ADJOINING AND CONFLICTING CLAIMS.

The claims embraced in this survey are in conflict with the following unsurveyed lode mining claims:-

Comet Lode (unsurveyed). Geo.F.Jewell, Claimant, the discovery cut of which bears N 63° 17' E, 349 feet from the West Side Center (point 750., line 4-I) of Gulch Copper Lode, this survey. Claimant claims 438 feet northerly and 1062 feet southerly.

Bagdad Lode (unsurveyed), Geo.F.Jewell, Claimant, adjoining Comet Lode on the West.

Lookout Lode (unsurveyed), Geo.F.Jewell, Claimant, adjoining Comet Lode on the East.

IMPROVEMENTS.

I certify that the value of labor and improvements made upon or for the benefit of, each of the locations embraced in this survey by the claimant or its grantors is not less than \$500.00 (Five Hundred Dollars), and that said improvements consist of:-

- Grand Duke Lode:
 - No.1. The Discovery Point, on outcrop of ledge at West End Center Point.

No.2, A shaft 3 1/2 x 9 ft., 9 ft. deep, the center of which bears

MINERAL SURVEY NO.3272 (Cont).

S 59° 53'E, 16.feet from West End Center. Value \$ 50.00

No.3, A shaft 4x6[#], 40 feet deep, the center of which bears

S 60° 18'E, 48.feet from West End Center. Value \$400.00

No.4, A Cut 4 ft.wide, 20 ft.long to 12½ ft.face, the center of mouth of which bears S 84° 32'E, 252. feet from the West End Center. Value \$100.00

Gulch Copper Lode.

No.I, Discovery Cut running East across center line at point 750.feet from each end center, the center of mouth of which bears S 52° 10'E, 261.feet from the West side center. Cut is 4 ft.wide, 56.ft.long to 12 ft.face, with tunnel continuing East 5x6[#]- 10 ft.long, and shaft from surface South of mouth of tunnel, 4x6[#]- 20 feet deep.

Total Value \$500.00

No.2, Shaft, 4x6[#], -11ft.deep.the center of which bears S 58° 30'E, 280.feet from West Side Center.

Value \$ 50.00

No.3, Shaft, 4x6[#], 8 ft.deep, the center of which bears S 46° 6'E, 357.feet from West Side Center.

Value \$ 40.00

INSTRUMENT.

This survey was made with Buff & Buff Transit No.7905. Courses were deflected from the true meridian as determined by direct solar observations. Distances were measured with 100 and 350 foot steel tapes.

REPORT.

The lines of this survey were run direct upon the ground. Tie lines were run direct upon the ground.

U.S.L.M.No.3272 is a 3 inch iron pipe, standing 12 feet above ground on top of high peak, painted red and white in alternate feet from top, stamped U.S.L.M.No.3272, and surrounded by large monument of stones.

MINERAL SURVEY (Cont.)
 Corners of Comet, Bagdad and Lookout Lodes, Unsurveyed,
 Geol.F.Jewell, Claimant, are monuments of stone surrounding
 small posts.

Corner No.3, Longstreet Lode, Survey No.3263, is a 1 1/4 in.
 galv.iron pipe, 3 1/2 ft.above ground, with brass cap stamped
 "U.S.Mineral Survey No.3263, 3-Ingstrt." Pipe surrounded
 by substantial mound of stones.

Paul E. Fernald.
 U.S.Mineral Surveyor.
 April 6th. 1916.

INSTRUMENTS.
 This survey was made with Bull's Bull Transit No.7905.
 Courses were deflected from the true meridian as determined
 by direct solar observations. Distances were measured with
 100 and 330 foot steel tapes.

REPORT.
 The lines of this survey were run direct upon the ground.
 The lines were run direct upon the ground.
 U.S.L.M.No.3275 is a 3 inch iron pipe, standing 18 feet
 above ground on top of high peak, painted red and white
 in alternate feet from top, stamped U.S.L.M.No.3275, and
 surrounded by large mound of stones.

Total Value \$500.00
 No.2, Shaft, 4x6, 11ft. deep, the center of which bears
 S 88 30' E, 280 feet from West Side Center.
 Value \$50.00
 No.3, Shaft, 4x6, 9 ft. deep, the center of which bears
 S 48 6' E, 337 feet from West Side Center.
 Value \$40.00

FIELD NOTES OF ESTABLISHMENT OF U.S.L.M.NO.3272.

BUNKER HILL MINING DISTRICT, PINAL COUNTY, ARIZONA.

To provide a proper monument for a tie for claims embraced in Mineral Survey No.3272, same being without the two mile limit of distance from any public land corner, I established on a high peak situated north-east from Sombrero Butte, a 3 inch iron pipe, 15 feet long, set 3 feet in a hole in solid rock and surrounded by a monument of stones 5 feet high and 7 feet across base. This pipe is painted with red and white enamel paint in alternate feet to render it more easily distinguishable from a distance, and stamped at point 5 1/2 feet above ground (U.S.L.M. No.3272). Bearings from this monument are as follows:-

- N 64° 31'W, 30.93 ft. B.R. a granite outcrop, properly marked.
- S 39° 36'W, 12.76 ft. B.R. a " " " "
- N 8° 17'E, top of high peak in distance.
- N 21° 1'W, West side cliff Table Mt.
- N 42° 21'W, Brick stack, Hayden Smelter.
- N 42° 33'W, Iron " " "
- N 83° 15'W. Top Black Mt. in distance.
- S 86° 20'W Peak of roof - Childs store in Mammoth.
- S 86° 9 1/2'W. U.S.Geol.Survey Bench Mark, Mammoth townsite.
- S 81° 46'W. Smokestack Mammoth Mine.
- S 25° 47'W. Edge Cliff Sombrero Butte, N.W.side.
- S 4° 6'W, " " " " , S.E.Side.
- S 6° 57'E. Center top frame Jewell & Corbett shaft.
- S 27° 55 1/2'E, Sharp peak South end of high ridge Galores Mts.
- S 36° 13 1/2'E, 1135.96 ft. Cor.No.I, Gulch Copper Claim, Sur.3272.
- S 60° 15 1/2' E, 1386.80 ft. Cor.No.I, Grand Duke Claim, Sur.3272.

This monument is ~~aprox.~~^{approx.} located at the ~~common~~^{common} corner between sections ~~14, 15, 22 and 23~~, T 8 S, R 18 E, G & S.R.M. Unsurveyed.

Established March 9th. 1916.

Paul E. Fernald.
U.S.Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald
 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
Marion M. Malarky
 known as the "GULCH COPPER", "GRAND DUKE".
 and showing the respective capacities in which they acted.

Herman H. Stoll , Chainman.
 , Chainman.
 , Arman.
 , Flagman.

FINAL OATHS OF ASSISTANTS.

~~XX~~ I, Herman H. Stoll
 and do solemnly swear that ^I~~we~~ assisted Paul E. Fernald
 , United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of
Marion M. Malarky
 known as the "GULCH COPPER", "GRAND DUKE"
 represented in the foregoing field notes as having been surveyed by said ~~deputy~~ mineral surveyor and under his
^{my}
 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

Herman H. Stoll , Chainman.
 , Chainman.
 , Arman.
 , Flagman.

Subscribed and sworn to by the above-named persons before me this 28th

day of March , 1916.

W. H. Guehman
 Notary Public, Silver Lake, Ariz.
 My Commission expires Mar. 4 - 1919

(4-686.)

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, Paul E. Fernald, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated February 26th. 1916, 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 Marion M. Malarky, known as the "GULCH COPPER", "GRAND DUKE", situate in Bunker Hill Mining District, Pinal County, Arizona, in Section 14 & 23, Township No. 8 S., Range No. 18 E. Unsurveyed, and designated as Survey No. 3272, 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 his 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.

Paul E. Fernald
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald,
 U. S. ~~Deputy~~ Mineral Surveyor, before me _____
 this 29th
 day of March AD 1916

A. McDonald
 Notary Public Pima Co
 Ariz

my commission expires
 Jan 5 1919.

STATE OF ARIZONA, }
County of Pinal. } SS.

I, W. L. BROWN, County Recorder, in
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,
true and correct copy of Gulch Copper Mining Claim,
....., as the same appears of record in my office in Book
No. 16 of Mines Records, at page 413 thereof, or under File No.
.....; that I have compared the same with the original record, and that the same is a true tran-
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this
..... second day of March, 19. 16., at Florence, the County Seat.



..... W. L. BROWN,
County Recorder.
By W. L. Bensecoe
Deputy Recorder.

NOTICE OF MINING LOCATION,
Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the GULCH COPPER 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 JOHN , SCANLON the undersigned of the 25th day of September, 1899.

The length of this claim is 1500 feet and he claims 750 feet in a southerly direction and 750 feet in a northerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 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 north to the south.

The claim is situated and located in the BUNKER HILL Mining District, in Pinal County, in the Territory of Arizona, about one mile in a east direction from Sombrero Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a stone monument at a point in a northerly direction 750 feet from the discovery shaft, at which this notice is posted, being in the center of the north end line of said claim; thence east 300 feet to a monument, being the N. E. corner of said claim; thence S. 750 feet to a monument at the center of the east side line of said claim; thence south 750 feet to a monument being at the S. E. corner of said claim; thence west 300 feet to a monument at the center

of the ~~South~~ end of said claim; thence west 300 feet to a monument being at the S. West corner of said claim; thence north 750 feet to a monument being at the center east side line of said claim; thence north 750 feet to a monument at the N. West corner of said claim; thence east 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines", approved March 20th 1895.

Dated and posted on the ground this 25 day of Sept. 1899.

John Scanlon.

Witnesses:

August Kegel,

Frank Weber.

Filed and recorded at the request of John Scanlon on the 28th day of September, 1899, at one o'clock P. M.

F. A. Cahmberlin, Recorder,

By Thos. G. Peyton, Deputy.

(Book 16 of Mines, page 413.)

STATE OF ARIZONA, }
County of Pinal. } SS.

I, W. L. BROWN, County Recorder, in
and for the County of PINAL, State of Arizona, do hereby certify that the within and following is a full,
true and correct copy of the Grand Duke Mining Claim,
....., as the same appears of record in my office in Book
No. 27. of ... Mines, Records, at page. 392. thereof, or under File No.
.....; that I have compared the same with the original record, and that the same is a true tran-
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this
..... second day of March 19. 16., at Florence, the County Seat.



..... W. L. BROWN,
County Recorder.
By *M. O. Benson*
Deputy Recorder.

LOCATION NOTICE.

NOTICE IS HEREBY GIVEN that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10, 1872, has this day located and claimed fifteen hundred linear feet along the course of this lead, lode or vein of Mineral bearing quartz and three hundred feet in width on each side of the middle of said lead, lode or vein, situate in the BUNKER HILL Mining District, County of PIMA, Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stones, being the center of the western end of claim upon which this notice is posted; thence south 300 feet to a monument of stones; thence east 1500 feet to a monument of stones; thence north 300 feet to a monument of stones, being the center of the eastern end of said claim; thence north 300 feet to a monument of stones; thence west 1500 feet to a monument of stones; thence south 300 feet to the place of beginning.

This Claim is about 750 feet north of the Bonus Copper Mine North of Sombrero Butte and south of a cabin or house on the creek and shall be known as the GRAND DUKE Mine.

Located Sept. 24th, 1881. John Scanlon.

Witness:

Francis A. Drake.

Charles Dyke.

Recorder's Office, Tucson, Pima Co. A. T. filed and recorded at the request of John Scanlon, Oct. 11th, A. D. 1881 at 11:05 A. M., Book R. Records of Mines, page 725.

Chas. R. Drake, County Recorder.

By Anthony Coenen, Deputy.

Filed and recorded at request of Marion M. Malarky, on the 11th day of October, 1910 at one o'clock P. M.

G. F. Watson, Recorder.

(Book 27 of Mines, at page 392.)

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 2, 1916.

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

MARION M. MALARKY

known as the GULCH COPPER, GRAND DUKE.

situate in BUNKER HILL

Mining District, PINAL County, ARIZONA.

in Section, Township No. 8 S., Range No. 18 E., unsur., and

designated as Survey No. 3272, 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 his grantors, and that said improvements consist of 5 shafts, 2 cuts and 1 tunnel, total value \$1140.

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 P. Trott,

United States Surveyor-General for Arizona.

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 2, 1916.

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

MARION M. MALARKY

, known as the

GULCH COPPER, GRAND DUKE.

situate in BUNKER HILL mining district,

PINAL County, ARIZONA.

in Section , Township No. 8 S., Range No. 18 E., unsur.

, designated as Survey No. 3272

executed by Paul E. Fernald, U. S. Deputy Mineral

Surveyor, March 8-10, 1916, under my instructions dated

February 26, 1916, have been critically examined and the necessary cor-

rections 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.

[Handwritten signature of Paul E. Fernald]

U. S. Surveyor-General for Arizona.