

Copied Oct. 4, 1916,

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Jul 6 - 1916

4-683.

Mineral Survey No. 3313

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Marion M. Malarky

KNOWN AS THE

GRAND DUKE, LOUISVILLE, Lodes

Bunker Hill Mining District,

Pinal County, Arizona

Aprox. Section 15, Township 7 S., Range 18 E. (Unsurveyed)

Surveyed under instructions dated June 17th., 1916,

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

Claim located See location notices attached.

Survey commenced June 28th., 1916.

Survey completed July 1st., 1916.

o 6-169

Address:

T. M. Smith, Attorney in fact,
Box 633,

Tucson, Arizona.

JUL 6 - 1910

U.S. MINERAL SURVEY NO. 3313.

Feet. GRAND DUKE 'LODE.

Beginning at Cor.No.1, identical with Cor.No.1 Louisville Lode, this survey, hereinafter described.

A 1 inch galvanized iron pipe, 5 feet long with claw base, set $1\frac{1}{2}$ feet in the ground with mound of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3313, 1 G.Duke.

Whence U.S.L.M.No.3313 bears S 2° 46'W, 383.2 feet.

A 20 inch oak bearing tree, scribed B.T.X.3313. 1.G.D. bears N 81° 55'E, 35.39 feet.

Thence N 77° 27'E 300.00

300.00 North End Center, identical with S.End Center Louisville Lode, this survey. A monument of stones 3 feet high.

600.00 To Cor.No.2, identical with Cor.No.2 Louisville Lode, this survey.

A 1 inch galvanized iron pipe, 5 feet long with claw base, set $1\frac{1}{2}$ feet in the ground, with mound of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3313, 2 - G.Duke.

Thence S 12° 33'E 880.00

880.00 Crosses gulch running E.- N.E.

1500.00 To Cor.No.3,

A 1 inch galvanized iron pipe, 5 feet long, with claw base, set $1\frac{1}{2}$ feet in the ground with mound of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3313, 3 - G.Duke.

Thence S 77° 27'W 300.00

300.00 South End Center - monument of stones 3 feet high.

600.00 To Cor.No.4,

A 1 inch galvanized iron pipe, 5 feet long with claw base, set $1\frac{1}{2}$ feet in the ground, with mound of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3313, 4 - G.Duke.

Thence N 12° 33'W 599.00

599.00 Crosses Gulch running E.- N.E.

1500.00 To Cor.No.1, the place of beginning.

LOUISVILLE LODGE.

Beginning at Cor.No.1, identical with Cor.No.1 Grand Duke Lode, this survey, heretofore described. Brass cap additionally marked for this corner 1. - Louisville.

Whence U.S.L.M.No.3313 bears S 2° 46' W, 383.2 feet.

300.00 Thence N 77° 27' E
South end center monument, identical with North end center monument Grand Duke Lode, this survey, heretofore described.
600.00 To Cor.No.2, identical with Cor.No.2 Grand Duke Lode, this survey, heretofore described.. Brass cap additionally marked 2 - Louisville, for this corner.

105.00 Thence N 12° 33' W
Crosses gulch running E.- N.E.
1500.00 To Cor.No.3,
A 1 inch galvanized iron pipe, 5 feet long, with claw base, set 1 1/2 feet in the ground, with mound of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3313, 3 - Louisville.

Thence S 77° 27' W

300.00 North end center - monument of stones 3 feet high.
548.00 Crosses gulch running N.E.
600.00 To Cor.No.4.
A 1 inch galv.iron pipe, 5 feet long, with claw base, set 1 1/2 feet in the ground, with mound of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3313, 4 - Louisville.

Thence S 12° 33' E

30.00 Crosses gulch running N.E.
1404.00 Crosses gulch running E.-N.E.
1500.00 To Cor.No.1, the point of beginning.

* * * * *

Magnetic Variation at all corners N 13° 45' E

No natural bearing objects available except where specifically noted from corners.

All corners identical with respective corners of location.

* * * * *

GRAND DUKE LODE LINES

As near as can be determined from the present state of development, the veins of the two locations embraced in this survey extend as follows from their respective discovery points:-

GRAND DUKE. N 12° 33' W, 1500. feet.

U.S. MINERAL SURVEY NO. 3313.

LOUISVILLE LODE. N 12° 33' W, 1500. feet.

LOCATION.

This survey is located approx. in Section 15, Township 7 S, Range 18 E, G. & S. R. B. & M. Unsurveyed. in the Bunker Hill Mining District, Pinal County, Arizona.

ADJOINING AND CONFLICTING CLAIMS.

In making this survey, I noticed several monuments of stone seeming to indicate the presence of other claims in the vicinity, but found no marks nor location notices to indicate their names or the claimants thereof. AS There are no other surveyed claims within several miles.

AREAS.

GRAND DUKE LODE. 20.661 acres.

LOUISVILLE LODE. 20.661 "

IMPROVEMENTS.

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

GRAND DUKE LODE.

No. 1, Discovery point at the south end center, at outcrop of ledge.

No. 2, A trench 40 feet long, 5 feet wide, average depth 8 feet, partly caved. The center of west side bears N 37° 1' E, 411.4 feet from Cor. No. 4. Trench runs N & S.

Value \$350.00

No. 3. A trench running E & W, the center of the E. side of which bears N 44° 17' E, 393.1 feet from Cor. No. 4. Trench is 10 feet long, 5 feet wide, average depth 8 feet, partly caved.

Value \$80.00

No. 4. A cut running West, the center of mouth of which bears N 55° 32' E, 396.6 feet from Cor. No. 4. Cut is 20 feet long, 5 feet wide, to 7 foot face, thence tunnel 30 feet long, 5 feet wide, 7 feet high.

Value \$350.00

No.5. A cut and tunnel, the center of mouth of cut bearing N 3° 10'E, 61.5 feet from the S.End Center. Cut runs west, 30 feet, 5 feet wide to 8 foot face, thence tunnel 125 feet long, 5 feet wide, 7 feet high.

Value \$1325.00

LOUISVILLE LODE.

No.1. Discovery point at South End Center, on outcrop of ledge.

No.2. A cut running North, from S.End Center, center of mouth bears N 24° 24'W, 178.5 feet. Cut is 20 feet long, 4 feet wide, to 10 foot face. Value \$50.00

No.3. A cut running N.W., the center of mouth of which bears N 6° 22'W, 168.1 ft. from the S.End Center. Cut is 18 ft.long, 4 ft.wide, to 8 ft.face. From face, shaft 4x6, 8 feet deep. Value \$85.00

No.4. A cut and tunnel running N.W., the center of mouth of cut bearing N 7° 10'E, 262.6 feet from the S.End Center. Cut is 18 ft.long, 4 ft.wide, to 8 ft.face, thence tunnel 4x6, 15 ft.long. Value \$200.00

No.5. A cut and tunnel running N.W., the center of mouth of tunnel bearing N 10° 53'E, 221.9 ft. from the south end center. Cut is 18 feet long, 4 ft.wide, to 8 ft.face. Tunnel 4x6, 20 ft.long. Value \$250.00

OTHER IMPROVEMENTS - None.

INSTRUMENT. This survey was made with Buff & Buff special transit No.7905. The courses were deflected from the true meridian as determined by direct solar observations.

Distances were measured with Deitzgen 350 ft.steel tape.

REPORT. U.S.L.M.No.3313 is a 12 ft iron pipe, 2½ in.in diameter, stamped U.S.L.M.3313. It is located on a hill-top to the East of Table Mt, and is surrounded by a large monument of stones.

Paul E. Farrell.
U.S.Mineral Surveyor.

FIELD NOTES OF ESTABLISHMENT OF U.S.L.M.NO. 3313.

BUNKER HILL MINING DISTRICT. PINAL COUNTY, ARIZONA.

To provide a proper monument for a tie for lodes embraced in Mineral Survey No.3313, the same being without the two mile limit of distance from any public land corner or previously established Land or Mineral Monument, I established on a high hill to the East of Table Mountain, a $2\frac{1}{2}$ inch iron pipe, 12 feet long, set in a hole in solid rock and surrounded by a monument of stones 4 feet high and 6 feet across the base. Pipe is stamped U.S.L.M. No.3313. Bearings from this monument are as follows:-

- S 2° 1'W, East edge of high ground - Table Mt.
- S 37° 14'W, West " " " " " "
- S 52° 6'W, Low point saddle - Table Mt.
- S 61° 48'W, South side bluff - Table Mt.
- S 71° 13'W, Top small knob - Table Mt.
- N 57° 56'W, N.E.Side bluff - Table Mt.
- N 39° 31'W, West side top - N.E.section Table Mt.
- N 33° 40'W, East " " " " " "
- N 16° 22'W, High peak in distance.
- N 2° 46'E, 383.20 ft. Cor.No.I, Grand Duke Lode, Survey No.3313.
- N 26° 31'E, N.Side top Stanley Butte, in distance.
- N 28° 11'E, S " " " " " "
- N 37° 11'E, High peak beyond Arivipa Canon.
- N 77° 59'E, " " " " " "
- S 39° 23'E, High stack, Table Mt.Co.Blast furnace.
- S 71° 45'E, 12.42 ft. Bearing Rock, stamped B.R. X 3313.
- N 79° 51'W, 55.80 ft. Bearing tree, 18 inch oak, scribed B.T. X 3313.

This monument is aprox. in the center of the $W.\frac{1}{2}$ of the S.E. $\frac{1}{4}$ of Sec.15, T 7 S, R 18 E, G.& S.R.B.& M. Unsurveyed.

Established June 29th. 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 GRAND DUKE, LOUISVILLE Lodes

and showing the respective capacities in which they acted.

- Ralph L. Reynolds....., *Chainman.*
-, *Chainman.*
-, *Arman.*
-, *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~xx~~ I, Ralph L. Reynolds
and....., do solemnly swear that ~~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 GRAND DUKE, LOUISVILLE Lodes
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

- Ralph Reynolds....., *Chainman.*
-, *Chainman.*
-, *Arman.*
-, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 3-4

day of July, 1916

W. H. McDonald
Notary Public
Prima Co Ariz

*my commission
expires Jan 5 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 June 17th. 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 GRAND DUKE, LOUISVILLE Lodes, situate in Bunker Hill Mining District, Pinal County, Arizona, in Section (aprox) 15, Township No. 7 S., Range No. 18 E. (Unsurveyed), and designated as Survey No. 3313, 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 3rd
 day of July 1916

Ad McDonald
 Notary Public
 Pinal Co. Ariz.

My commission expires Jan 5 1919.

JUN 17 1916

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 Location Notice of Louisville Mining Claim
....., as the same appears of record in my office in Book No. 12 of Mines Records, at page 603 thereof, or under File No.; that I have compared the same with the original record, and that the same is a true transcript, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this 12th day of June, 1916, at Florence, the County Seat.

W. L. BROWN, County Recorder.

By M. O. Bencoe 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, have this day located and claim, fifteen hundred ^{linear} feet along the course of this lead, lode or vein of mineral bearing quartz, and 300 feet in width on each side of the middle of said lead, lode or vein, situated in the Bunker Hill Mining District, Pinal County, Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stone, being the center of the southerly end of claim, and upon which this notice is posted, thence easterly 300 feet to a monument of stones, thence northerly 1500 feet to a monument of stones, thence westerly 300 feet to a monument of stones, being the center of the northerly end of claim; thence westerly 300 feet to a monument of stones, thence southerly 1500 feet to a monument of stones, thence easterly 300 feet to the place of beginning.

This claim is situated about a mile and one half east of Table Mountain and joins the Grand Duke on the north end and was formerly known as the New York, and shall be known as the Louisville Mine.

Located January 1st, 1892.

Locators

{ John Scanlon

{ John D. Burgess.

Witness - Theodore Ganson.

Filed and recorded at the request of John D. Burgess, January 30th, A. D. 1892, at 9:30 A. M.

A. G. Williams, Recorder.

JUN 17 1916

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 ... Location Notice of Grand Duke Mining Claim,
....., as the same appears of record in my office in Book
No. ... 12 of Mines, Records, at page. 604 thereof, or under File No.
.....; that I have compared the same with the original record, and that the same is a true trans-
script, and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of my office, this
..... 12th day of June 1916, 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 Approved May 10, 1872, have this day located and claim 15 hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and 300 feet in width on each side of the middle of said lead, lode or vein, situate in the Bunker Hill Mining District, County of Pinal, Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stone, being in the center of the southerly end of said claim and upon which this notice is posted, thence easterly 300 feet to a monument of stones, thence northerly 1500 feet to a monument of stones, thence westerly 300 feet to a monument of stones, being the center of the northerly end of said claim, thence westerly 300 feet to a monument of stones, thence southerly 1500 feet to a monument of stones, thence easterly 300 feet to the place of beginning.

This claim is situated about a mile and one half east of Table Mountain and the Table Mountain Claim joins it on the south end, and was formerly known as the La Port Mining Claim, and shall be known as the Grand Duke Mine, located January 1st, 1892.

Locators.

{ John D. Burgess,
{ John Scanlon.

Witness:

Theodore Ganson.

Filed and recorded at the request of John D. Burgess, January 30th, 1892, at 9:30 A. M.

A. G. Williams, Recorder.

Book 12 of Mines, page 604.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

October 5, 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 GRAND DUKE, LOUISVILLE LODES.

situate in HUNKER HILL

Mining District, PINAL County, ARIZONA, approx.

in Section 15, Township No. 7 S., Range No. 18 E., unsur., and

designated as Survey No. 3313, 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^s by claimant or his grantors, and that said improvements

consist of 2 trenches, 6 cuts, 4 tunnels and 1 shaft, total value

\$2690.

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.

October 5, 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

GRAND DUKE, LOUISVILLE LODES.

situate in BUNKER HILL mining district,

PINAL County, ARIZONA, approx.

in Section 15, Township No. 7 S., Range No. 18 E., unsur.

designated as Survey No. 3313

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

Surveyor, June 28-July 1, 1916, under my instructions dated

June 17, 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]

U. S. Surveyor-General for Arizona.