

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

MINERAL SURVEY NO. 4281

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Mrs. Josephine Johnson and Charles Morgan

Known As The

NUGGET NO. 1 - ONE

Hartford Mining District,

Cochise County, Arizona

Section s 1 and 12, Township 24 S., Range 20 E., G&SRM

Surveyed under instructions dated March 8, 19 44

by Ralph L. Motz
Mineral Surveyor.

Claim located October 17th, 19 25

Survey commenced March 29, 19 44

Survey completed March 31, 19 44

Address of claimants % Box 01174, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

MINERAL SURVEY NO. 4201

FIELD NOTES

Mrs. Josephine Johnson and Charles Morgan

TRACT NO. 1 - 0111

Harford

Section 1 and 12, Township 24 S., Range 20 E., GAZON

by Ralph J. Cook

Mineral Surveyor

Class located - Joseph 17th
Survey conducted March 29,
Survey conducted March 31,
Address of claimant - Box 5174, Elsie, Arizona.

DATES OF AMENDED LOCATIONS

Mineral Survey No. 4281

Feet

Mineral Survey No. 4281 was made with a C. L. Berger & Sons precise transit, with horizontal limb 6.25 inches in diameter, having double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a colored glass slide in a prismatic eye piece for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order. A p. m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at Cor. No. 1, the details of which observations are shown in the calculation sheets submitted herewith for examination. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a Keuffel & Esser steel tape, 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Lufkin steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Lufkin standard tape at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of 12° 45' E.

NUGGET NO. 1 - ONE lode.

Beginning at Cor. No. 1 of the Nugget No. 1 - One lode

Identical with the S. W. Cor. of the Nugget No. 4 - Four lode, the N. W. Cor. of the Nugget No. 2 - Two lode and the N. E. Cor. of the Nugget No. 3 - Three lode, all unsurveyed

Set a phonolite rock, 28x8x6 ins., 20 ins. in the ground, mkd. N1-1-4281; from which

The 1/4 Cor. Secs. 1 and 12, T. 24 S., R. 20 E., G. & S. R. M., bears S. 16° 20' E., 859.5 ft., being an iron pipe with brass cap, firmly set and properly marked.

A phonolite rock in place, 8x20 ins., 12 ins. above ground, bears S. 26° 51' E., 14.0 ft., mkd. N1-1-4281

A monument of rocks, 4 ft. high, 4 ft. base, bears northwesterly 3 ft.

Thence S. 45° 00' W.,

1500.00 Cor. No. 2

Identical with the N. W. Cor. of the Nugget No. 3 - Three lode and the S. E. Cor. of the Nugget No. 5 - Five lode, both unsurveyed

Set a phonolite rock, 30x14x8 ins., 20 ins. in the ground, mkd. N1-2-4281; from which

A granite ledge, 26x35 ins., 19 ins. above ground bears S. 32° 12' E., 9.8 ft., mkd. N1-2-4281

A quartzite rock in place, 12x25 ins., 18 ins. above

Feet	ground, bears S. 38° 35' W., 9.8 ft. mkd. BR X NI-2-4281
	A monument of rocks, 4 ft. high, 4 ft. base, bears southerly 4 ft.
	Thence N. 45° 00' W.,
300.0	Intersect the south end of the lode line at the original location for the south end center, being a monument of rocks, 4 ft. high, 4 ft. base.
600.0	Cor. No. 3
	Identical with the N. E. Cor. of the Nugget No. 5 - Five lode, unsurveyed, being
	a quartzite ledge, 12x38 ins., 12 ins. above ground, mkd. X NI-3-4281, from which
	A monument of rocks, 4 ft. high, 4 ft. base, bears northeasterly 4 ft.
	Thence N. 45° 00' E.,
95.0	Cross South Fork of Ash Canyon, 15 ft. wide, course northeasterly
1500.0	Cor. No. 4
	Identical with the N. W. Cor. of the Nugget No. 4 - Four lode, unsurveyed, being
	A quartzite rock in place, 12x25 ins., 12 ins. above ground, mkd. NI-4-4281; from which
	A monument of rocks, 4 ft. high, 4 ft. base, bears northwesterly 4 ft.
	Thence S. 45° 00' E.,
292.0	Cross trail, 3 ft. wide, course northeasterly
300.0	Intersect the north end of the lode line at the original location for the north end center, being a monument of rocks, 4 ft. high, 4 ft. base
360.0	Cross South Fork of Ash Canyon, 20 ft. wide, course northeasterly
600.0	Cor. No. 1 and place of beginning.

The presumed **LODE LINE** course of the vein of the lode claim of this survey is, from the discovery point, as follows:-

N. 45° 00' E., 750 ft., and, S. 45° 00' W., 750 ft.

AREA acres
Total area, Nugget No. 1 - One lode - - - - - 20.661

LOCATION

This survey is located in the SW 1/4 of Sec. 1 and the NW 1/4 of Sec. 12, T. 24 S., R. 20 E., G. & S. R. M. in the Coronado National Forest.

The survey of this lode location is identical with the location as marked on the ground.

EXPENDITURE OF \$500

I certify that the value of the labor and improvements made upon or for the benefit of this lode location by the claimants or their grantors is not less than \$500, and that said improvements consist of:-

- No. 1 The discovery shaft of the Nugget No. 1 - One lode, the center of which being the discovery point is on the center line 750 feet from the north end center; 5x7 ft. in size, 10 ft. deep
Value \$100
- No. 2 A shaft, the center of which bears N. 45° W., 15 ft. from a point on the lode line 725 ft. from the north end center; 5x7 ft. in size, 10 ft. deep
Value \$100
- No. 3 An open cut, the mouth of which bears N. 56° 10' W., 20 ft. from a point on the lode line 621 ft. from the north end center; 4 ft. wide, 10 ft. face running South 16 ft. to face and portal of tunnel 4x6 ft. in size runs South 12 ft. to breast
Value \$260
- No. 4 An open cut, the mouth of which bears N. 28° 05' W., 79 ft. from a point on the lode line 621 ft. from the north end center; 4 ft. wide, 10 ft. face, running S. 45° E., 12 ft. to face and portal of tunnel 4x6 ft. in size runs S. 45° E., 170 ft. to breast. (mouth of tunnel is blocked-length from claimants' records)
Value \$3460
- No. 5 An open cut, the mouth of which bears S. 7° 15' E., 66 ft. from a point on the lode line 511 ft. from the north end center; 4 ft. wide, 12 ft. face running S. 45° W., 18 ft. to face and portal of tunnel 4x7 ft. in size runs S. 45° W., 32 ft. to breast
Value \$748
- No. 6 An open cut, the mouth of which bears S. 15° 20' W., 110 ft. from a point on the lode line 350 ft. from the north end center; 25 ft. wide, 25 ft. face, running S. 45° W., 40 ft. to face and portal of tunnel, 4x6 ft. in size, runs S. 45° W., 70 ft. to breast. (Mouth of tunnel is caved, length from claimants' records)
Value \$3000
- No. 7 An open cut, the mouth of which bears from Cor. No. 4 S. 45° E., 360 ft.; 20 ft. wide, 20 ft. face running S. 40° W., 50 ft. to face
Value \$1500
- No. 8 An open cut, the mouth of which bears N. 24° 50' W., 75 ft. from a point on the lode line 531 ft. from the south end center; 4 ft. wide, 10 ft. face, running South 20 ft. to face and portal of tunnel, 4x6 ft. in size runs South 15 ft. to breast
Value \$325
- No. 9 A shaft, the center of which bears N. 53° 15' W., 20 ft. from a point on the lode line 531 ft. from the south end center; 4x6 ft. in size, 5 ft. deep
Value \$30

No. 10 A shaft, the center of which is on the lode line 525 ft. from the south end center; 4x6 ft. in size, 5 ft. deep

Value \$30

OTHER IMPROVEMENTS

A stone blacksmith shop, the southeast corner of which is on the lode line, 310 ft. from the north end center; 10x10 ft. in size, one side bearing N. 72° W.

A log cabin, the southeast corner of which is on the lode line 228 ft. from the north end center; 14x20 ft. in size, long side bearing N. 72° W.

ADJOINING CLAIMS.

Northeast: Nuggett No. 4 - Four lode, unsurveyed, claimants herein.

Southeast: Nugget No. 3 - Three lode, unsurveyed, claimants herein.

Southwest: Nugget No. 5 - Five lode, unsurveyed, claimants herein.

No. 4 An open cut, the mouth of which bears N. 28° 03' W. 73 ft. from a point on the lode line 621 ft. from the north end center; 4 ft. wide, 10 ft. face, running S. 45° E. 12 ft. to face and portal of tunnel 4x2 ft. in size turns S. 45° E. 170 ft. to breast. (Mouth of tunnel is blocked length from claimants' records)
Value \$2450

No. 5 An open cut, the mouth of which bears S. 7° 15' E. 66 ft. from a point on the lode line 511 ft. from the north end center; 4 ft. wide, 12 ft. face running S. 45° W. 18 ft. to face and portal of tunnel 4x7 ft. in size turns S. 45° W. 32 ft. to breast
Value \$748

No. 6 An open cut, the mouth of which bears S. 15° 30' W. 119 ft. from a point on the lode line 530 ft. from the north end center; 25 ft. wide, 25 ft. face, running S. 45° W. 40 ft. to face and portal of tunnel, 4x2 ft. in size, turns S. 45° W. 70 ft. to breast. (Mouth of tunnel is caved, length from claimants' records)
Value \$3000

No. 7 An open cut, the mouth of which bears from Cor. No. 4 S. 45° E. 280 ft.; 20 ft. wide, 20 ft. face running S. 40° W. 50 ft. to face
Value \$1500

No. 8 An open cut, the mouth of which bears N. 24° 30' W. 73 ft. from a point on the lode line 331 ft. from the south end center; 4 ft. wide, 10 ft. face, running S. 80 ft. to face and portal of tunnel, 4x2 ft. in size turns South 15 ft. to breast
Value \$285

No. 9 A shaft, the center of which bears N. 52° 15' W. 30 ft. from a point on the lode line 331 ft. from the south end center; 4x2 ft. in size, 3 ft. deep
Value \$30

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

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 _____

Mrs. Josephine Johnson and Charles Morgan

known as the NUGGET NO. 1 - ONE lode

and showing the respective capacities in which they acted.

Joe Chavez _____, *Chainman.*

_____, *Chainman.*

Justo Diaz _____, *Arman.*

_____, *Flagman.*

FINAL OATHS OF ASSISTANTS

We, Joe Chavez

and Justo Diaz, do solemnly swear that we assisted Ralph L. Motz

_____, Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of _____

Mrs. Josephine Johnson and Charles Morgan

known as the NUGGET NO. 1 - ONE 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 instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

Joe Chavez _____, *Chainman.*

Justo Diaz _____, *Chainman.*

_____, *Arman.*

_____, *Flagman.*

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

day of April, 1944

W. H. Muescher

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

My commission expires Feb. 3, 1945.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FINAL OATH OF MINERAL SURVEYOR

I, Ralph L. Motz, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated March 8, 1944,
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 Mrs.
Josephine Johnson and Charles Morgan, known as the
NUGGET NO. 1 - ONE lode
situate in Hartford Mining District,
Cochise County, Arizona, in Section S
1 and 12, Township No. 24 S., Range No. 20 E., G&SRM
and designated as Survey No. 4281, 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 im-
provements 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.

Ralph L. Motz
(Mineral Surveyor)

Subscribed and sworn to by the said Ralph L. Motz

Mineral Surveyor, before me W. H. Miescher, Notary Public

this 3rd

day of April, 1944

W. H. Miescher

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

My commission expires February 3, 1945.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

United States
Department of the Interior
GENERAL LAND OFFICE
PUBLIC SURVEY OFFICE

Phoenix, Arizona,

April 28, 1944

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

Mrs. Josephine Johnson and Charles Morgan

known as the NUGGET NO. 1 - ONE lode

situate in Hartford

Mining District Cochise County Arizona

in Sections 1 & 12, Township No. 24 S., Range No. 20 E., G. & S.R.M and designated as Survey No. 4281

, 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 claimants

or their grantors,

and that said improvements consist of 6 cuts, 4 shafts, 5 tunnels, total value \$9,553.00

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 District Land Office at Phoenix, Arizona is correct and in conformity with the foregoing Field Notes.

E. A. Thompson
Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

April 28, 19 44

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 _____

Mrs. Josephine Johnson and Charles Morgan

_____, known as the

NUGGET NO. 1 - ONE lode

situate in _____ Hartford _____ mining district,

Cochise County, Arizona

in Section s 1 and 12 _____, Township No. 24 S. _____, Range No. 20 E., G. & S.R.M.

_____, designated as Survey No. 4281

executed by Ralph L. Motz _____, Mineral

Surveyor, March 29 - 31 _____, 1944, under my instructions dated

March 8

_____, 19 44, 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.

E. A. Thompson
Office Cadastral Engineer.