

4-683

MINERAL SURVEY No. 4034

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

L. D. Hilton

KNOWN AS THE

LONE MOUNTAIN and LONE MOUNTAIN EXTENSION NO. 2 lodes.

Empire Mining District,

Pima County, Arizona.

Sections 8, 9 and 17, Township 18 S., Range 17 E.

Surveyed under instructions dated December 8, 19 26

by T. H. Stevens U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced December 17, 19 26

Survey completed December 20, 19 26

Address of claimant Hampton & Arnold, Phoenix, Ariz. Box 264, Attorneys for claimant.

DATES OF AMENDED LOCATIONS.

See location notices.

Feet

MINERAL SURVEY NO. 4034

Lone Mountain Lode.

Beginning at Cor. No.1, identical with Loc. Mon.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 1, L M - 4034, with md of stone alongside, whence the 1/4 Cor. bet. Secs. 8 and 17, T.18 S., R.17 E. G. & S. R. M. brs. S.36°48'30" W., 936.7 ft.

No other bearings are available.

Thence S.45°58'E.
Va. 13°45'E.

300.0 To W. end center, identical with Loc. Mon.

A mesquite post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high, scribed W. Cr. L M.

600.0 To Cor. No.2, identical with Loc. Mon. and Cor. No. 3, Lone Mountain Extension No.2 lode of this Sur.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 2 L M, 3 L M Ex No.2 - 4034 .

No bearings are available.

Thence N. 52°27' E.
Va. 13°45'E.

460.0 Gulch brs. southeasterly.

1350.0 Gulch brs. southeasterly.

1500.0 To Cor. No.3, identical with Loc. Mon. and Cor. No.2, Lone Mountain Extension No.2 lode of this Sur.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 3 L M, 2 L M Ex No.2- 4034

No bearings are available.

Thence N. 45°58'W.
Va. 13°45'E.

300.0 To E. end center, identical with Loc. Mon.

A pine post 4 ins. sq. by 4 ft. high, set firmly in the ground, and surrounded with Md of stone 3 1/2 ft. base by 3 ft. high, scribed E. Cr. L M.

305.0 Gulch brs. southwesterly.

600.0 To Cor. No.4, identical with Loc. Mon.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground,

Feet.	MINERAL SURVEY NO. 4034 LONE MOUNTAIN Lode- Cont'd. set 18 ins. in the ground, stamped 4 L M - 4034, with md. of stone alongside. No bearings are available. Thence S.52°27'W. Va. 13°45'E.
120.0	Road hrs. northwesterly.
180.0	Road hrs. northerly.
1500.000	To Cor. No.1, the place of beginning. LONE MOUNTAIN EXTENSION NO. 2 Lode. Beginning at Cor. No.1, identical with Loc. Mon. An iron pipe 1 in. diam. with cap on top, 18 ins. above ground, set 18 ins. in the ground, stamped 1 L M Ex No.2 - 4034, with md. of stone alongside, whence the Cor. to Secs. 8-9-16 and 17, T.18 S., R. 17 E. Ebs. S.4°04'W., 850.67 ft. No other bearings are available. Thence N.45°58'W., Va. 13°45'E.
300.0	To E. end center, identical with Loc. Mon. A mesquite post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone, 3 1/2 ft. base by 3 ft. high, scribed E. Cr. L M Ex No.2.
600.0	To Cor. No.2, identical with Loc. Mon. and Cor. No.3 Lone Mountain lode of this Sur., heretofore described. Thence S.52°27'W. Va.13°45'E.
150.0	Gulch hrs. southeasterly.
1040.0	Gulch hrs. southeasterly .
1500.0	To Cor. No.3, identical with Loc. Mon. and Cor. No.2 Lone Mountain lode of this Sur., heretofore described. Thence S.45°58'E. Va. 13°45'E.
300.0	To west end center, identical with Loc. Mon. A mesquite post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft high, scribed W. Cr. L M Ex No.2.
600.0	To Cor. No.4, identical with Loc. Mon.

Feet.

MINERAL SURVEY NO. 4034.

LONE MOUNTAIN EXTENSION No.2 lode- Cont'd.

An iron pipe 1 in. diam. with cap on top, 18 ins. above ground set 18 ins. in the ground, stamped 4 L M Ex. No.2., with md. of stone alongside.

No bearings are available.

Thence N.52°27'E.
Va. 13°30'E.

- 215.0 Gulch brs. southeasterly.
- 1500.0 To Cor. No.1, the place of beginning.

LODE LINES.

As near as can be determined from the present developments, the veins of the several locations embraced in this claim, extend as follows from their respective discoveries.

Lone Mountain Lode, 400.0 ft. N.52°27'E., and 1100.0 ft. S.52°27'W.,

Lone Mountain Extension No.2 lode, 500 ft. S.52°27'W., and 1000.0 ft. N.52°27' E.

AREA.

	Acres
Total area Lone Mountain lode -----	20.439
Total area Lone Mountain Extension No. 2 Lode ----	20.439

The survey of each lode of this location is identical with the respective locations as staked upon the ground.

LOCATION.

This survey is located in the S.E. 1/4 Sec. 8 , S.W. 1/4 Sec. 9 and N.E. 1/4 Sec. 17 T.18 S. R. 17 E.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of each of the locations embraced in said mining claim by the claimant or her grantors is not less than five hundred dollars, and that said improvements consist of:

LONE MOUNTAIN Lode.

No.1 The discovery point, on the center line 400 ft. from the center of line 3-4, A md. of stone on the cropping.

MINERAL SURVEY NO. 4034

EXPENDITURE OF FIVE HUNDRED DOLLARS + Cont'd.

Lone Mountain Lode.

No.2 A shaft, the center of which brs. from Cor. No.3 S.83°45'W.,
495.0 ft. 4 x 6 ft. 8 ft. deep.

Value \$100.0

No.3 A shaft, the center of which brs. from Cor. No.3 ,S.87°30'W.,
465.0 ft. 4 x 6 ft. 15 ft. deep.

Value \$150.0

No.4 A shaft, the center of which brs. from Cor. No.3 N.88°30' W.,
370.0 ft. 4 x 6 ft. 8 ft. deep.

Value \$100.

No.5 An inclined shaft, the center of which brs. from Cor. No.3
S.77° W., 570.0 ft. 4 x 6 ft. 200 ft. deep.

Value \$2000.00

No.6 A tunnel, the mouth of which brs. from Cor. No.2 , N.37° E.,
790.0 , 4 x 6 ft. running N.60° E., 20 ft. to face.

Value \$200.0

No.7 A tunnel, the mouth of which brs. from Cor No.4 S.9°45'E.
235.0 ft. 4 x 6 ft. running S.40° W., 20 ft. to face.

Value \$200.0

No.8 A shaft, timbered, the center of which brs. from Cor. No.3
S.68°30'W., 745. ft. 6x8 ft. 200 ft. deep. At the 150.0 ft. level
is a drift 4 x 6 ft. running S.65° E., 125 ft. to face.

Total value \$5000.00

Value $\frac{1}{2}$ interest credited to this lode, \$2500.00

This shaft is a practicable and feasible main working shaft in the
course of construction for the development of this claim, together
with the Lone Mountain Extension No.2 lode as by drifting under the
above mentioned claim, the two claims may be advantageously developed
and ore extracted therefrom. This improvement is therefore a common
improvement for the Lone Mountain and the Lone Mountain Extension No. 2
lode and an undivided $\frac{1}{2}$ interest Value \$2500.00 is properly
accredited to each of the above mentioned claims.

LONE MOUNTAIN EXTENSION No. 2 Lode.

No.1 The discovery cut , the mouth of which being the discovery
point , is on the center line , 500 ft. from the center of line 3-4,
4 1/2 ft. wide, 10 ft. face running S.45°E. 15 ft. to face.

Value \$100.0

No.2 A cut, the mouth of which brs. from Cor. No.2 S.31°30'W., 480.0
ft. 4 1/2 ft. wide, 8 ft. face , running south 15 ft. to face.

MINERAL SURVEY NO. 4034

EXPENDITURE OF FIVE HUNDRED DOLLARS.- Cont'd.

LONE MOUNTAIN EXTENSION NO. 2 lode.

Value \$100.0

An undivided 1/2 interest in improvement No.8 , Lone Mountain lode of this Sur., credited to this lode.

Value \$2500.0

INSTRUMENT.

This survey was made with a Gurley mountain transit, the courses were deflected from the true meridian as determined by direct solar observations. The distances were made with a 500 ft. steel tape.

REPORT.

The lode line of each location of this claim was run directly upon the ground, the corners were established by running around the claims.

The Cor. to Secs. 8, 9, 16 and 17 and the 1/4 Cor. bet. Secs. 8 and 17, T.18 S., R. 17 E. are both iron posts capped with brass and stamped with the number of the sections.

Other improvements.

A frame hoist house the N.E. Cor. of which brs. from Cor. No.3 Lone Mountain lode , S.63°30'W., 360.0 ft. 18 x 24, course of long sides S.30°W.,

ADJOINING CLAIMS.

On the north by Bunker Hill lode, 'unsurveyed' , Ysador Morales, claimant.

On the West by Oversight lode, 'unsurveyed', H.T. Young claimant.

MINERAL SURVEY NO. 4034

SOLAR OBSERVATION.

Direct solar observation taken Friday December 17, 1926 at 9:23 AM Solar time. Sun bisected. Lat. 31°52'30"- Lon. 110°38' Difference in time 4h 45m

Apparent declination 23°20'45.3"

Dec'l = $\frac{28.5}{23^{\circ}21'14.8''}$
90

Sin 1/2 A = $\sqrt{\frac{\sin(S-L)(S-H)}{\cos L \cos H}}$

113°21'15" = P

L- 31°52'30"

H- 23°31'50" (Appt. H = 23°34', Ref. - 2'10")

P-113°21'15"

2) 168 45 35

84 22 47 = S

S-L = 52°30'17"

9.8994940

S-H = 60°50'57"

9.9411837

0.0709889

0.0377030

2) 19.9493696

9.9746848 = 70°37'35"

141°15'10"

180

141°15'10" - 180

S38°44'50" E = bearing of sun.

7°13'10" Ang. to left from sun.

S 45°58' E = Course of line

not to be included in transcript

Set up at Cor. No.2 Lone Mountain Extension No.2 lode F S to Cor. No.1

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

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

_____ L.D. Hilton _____
 known as the LONE MOUNTAIN and LONE MOUNTAIN EXTENSION NO. 2 lodes _____

and showing the respective capacities in which they acted.

- _____ S.C. Wood _____, *Chainman.*
- _____ _____, *Chainman.*
- _____ _____, *Acman.*
- _____ _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, I. S.C. Wood _____
 and _____, do solemnly swear that we assisted _____
T.N. Stevens _____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of L. D. Hilton _____

known as the Lone Mountain and Lone Mountain Extension No. 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 ^{my}our knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

- S.C. Wood _____, *Chainman.*
- _____ _____, *Chainman.*
- _____ _____, *Acman.*
- _____ _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 10th
 day of January, 1927.



my commissioner
expire 2-27-30

 _____ *Notary Public* _____

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated December 8, 1926, 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 L. D. Hilton, known as the LONE MOUNTAIN and LONE MOUNTAIN EXTENSION NO. 2 lodes, situate in Empire Mining District, Pima County, Arizona, in Section 8, 9 and 17, Township No. 18 S., Range No. 17 E., and designated as Survey No. 4034, 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 her 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

Subscribed and sworn to by the said J. N. Stevens
U. S. Mineral Surveyor, before me a notary public, E. H. Chick,
in Pima Co. State of Arizona this 10th
day of January, 1927

my commission expires 2-27-30.

E. H. Chick
Notary Public

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

Department of the Interior,

~~OFFICE OF U. S. SURVEYOR-GENERAL,~~

PUBLIC SURVEY OFFICE

..... **Phoenix, Arizona,**

..... **February 12**, **1927.**

I, ~~U. S. Surveyor-General for~~ **District Cadastral Engineer**

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

..... **L. D. Hilton**

known as the **LONE MOUNTAIN and LONE MOUNTAIN EXTENSION NO. 2 lodes**
situate in **Empire**

Mining District, **Pima** County, **Arizona**

in Section **s. 8, 9, 17**, Township No. **18 S.**, Range No. **17 E.**, and

designated as Survey No. **4034**, 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 improved or for each of
ments made upon said mining claim by claimant or **her** grantors, and that said improvements consist of **5 shafts, 2 cuts, 2 tunnels, and 1 drift, total value**
\$7950.00

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.

..... **John D. Adams**

Office Cadastral Engineer

~~United States Surveyor-General for~~

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

February 12, 1927

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

L. D. Hilton

, known as the

LONE MOUNTAIN and LONE MOUNTAIN EXTENSION NO. 2 lodes

situate in Empire mining district,

Pima County, Arizona

in Sections 8, 9 and 17, Township No. 18 S., Range No. 17 E.

, designated as Survey No. 4034

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

Surveyor, December 17 - 20, 1926, under my instructions dated

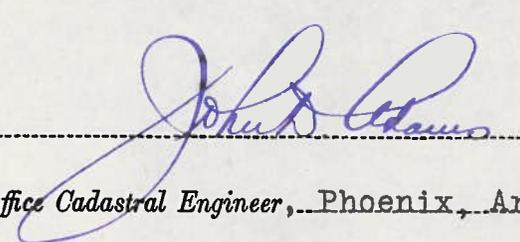
December 8, 1926, have been critically examined and the necessary

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.


Office Cadastral Engineer, Phoenix, Arizona.