

May 25, 1919, copied ARC

FEB 20 1919

4-683

MINERAL SURVEY No. 3568

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

J.B. and M.E. Anderson

KNOWN AS THE

SWEET WATER Lode

Greaterville Mining District,

Santa Cruz County, Arizona

Section 2, 3, 10, 11 ~~Sec 11~~, Township 20 S., Range 15 E., Unsur.

Surveyed under instructions dated January 24, 1919

by T.N. Stearns U. S. Mineral Surveyor.

Claim located See location notice, 19

Survey commenced February 8, 1919, 19

Survey completed February 11, 1919, 19

Address of claimant 149 R.F.D. Tucson, Arizona

DATES OF AMENDED LOCATIONS.

See 1

Sur. No. 3568
Sweet Water Lode.

Feet.

Beginning at Cor. No. 1

A porphyry rock 6 x 12 x 12 ins. above ground, set 12 ins. in the ground, chiseled with a cross (X) SW-1-3568, with md of stone 3 1/2 ft. base by 3 ft. high alongside, whence the S.W. Cor. Sec. 6, T. 20 S., R. 16 E. brs. N. 86°-20'E., 9994.7 ft.

Cor. No.4 Sur. No.3115 Am, Onyx King Placer, Claimant unknown, brs. N. 74-32'E., 4870.5 ft.

Original loc. Mon. brs. S.20°-20'E., 1ft.

An oak tree 14 ins. diam. brs. S. 24-10'W., 8.8 ft. blazed and scribed SW-1-3568-B T.

No other bearings are available.

Thence S.64°-49'W.
Va. 13°-30'E.

239.6 To south end center, An oak post 3 x 4 ins. 4 ft. high, set firmly in the ground and surrounded with a md. of stone 3 1/2 ft. base by 3 ft. high, scribed S. Cr. S W on N. face.

539.6 To Cor. No. 2
A porphyry rock 10 x 10 x 10 ins. above ground, set 12 ins. in the ground, and chiseled with a cross (X) S W-2-3568, with md. of stone 3 1/2 ft base by 3 ft. high alongside.

A juniper tree 18 ins. in diam. brs. N. 74°-49'E., 56.1 ft. blazed and scribed S W-2-3568-BT.
No other bearings are available.

Thence N. 20°-20' W.
Va. 13°-30'E.,

470. Center Gardner Creek , Course N. 50° E.

1419.34 To Cor. No. 3
A sandstone 12 x 8 x 5 ins. above ground, set 12 ins. in the ground and chiseled with a cross (X) S W-3-3568, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

Orig. Loc. Mon. brs. N. 87-17 ' W., 85 ft.

An oak tree 15 ins. Diam. brs. S. 56°-33' W. 45 ft. blazed and scribed SW-3-3568-BT.

No other bearings are available.

Thence N. 64°-49' E.
Va. 13°-30' E.

300. To north end center. An oak stump 6 ins. diam by 3 1/2 ft. high, surrounded with a md. of stone 3 ft. base by 2 ft. high,

Sur. No. 5568- Cont'd.
SWEET WAGER Lode-Cont'd

scribed N. Cr. SW on S. face.

559.6 To Cor. No. 4

A sandstone 6 x 10 x 5 ins. above ground, set 12 ins. in the ground and chiseled with a cross (X) SW-4-3568 with md of stone 3 1/2 ft. base by 3 ft. high alongside.

Orig. Loc. Mon. brs. N. 20°20' W., 4.7 ft.

An oak tree 10 ins. in diam. brs. S. 72°14' W., 10.9 ft. blazed and scribed SW-4-3568-BT.

No other bearings are available.

Thence S. 20°20' E.
Va. 13°30' E.

340. Center gulch, brs. S. 45° E.

688.8 To orig. side center Mon.

An oak stump 6 ins. diam by 4 ft. high, surrounded with a md of stone 3 ft. base by 2 ft. high.

850. Center road, brs. east.

940. Center Gardner Creek, brs. N. 50° E.

965. Center road, brs. West.

1105. Center road, brs. East.

1419.34 To Cor. No.1, the place of beginning.

Sur. No. 3568
LODE LINE.

As near as can be determined from the present developments the veins of the location embraced in this claim extends as follows from its discovery point.

Sweet Water lode, 170 ft. N. 20°-20'W., and 1294.34 ft. S. 20°-20'E.

AREA.

	Acres.
Total area Sweet Water lode-----	17.519 ✓

LOCATION.

This survey is located in Secs. 2-3-10-11, ~~unsurveyed~~, T. 20 S.,
^{Unsur.} R. 15 E., G. & S.R. M., in the Coronado National Forest.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

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

No. 1. The discovery shaft of the Sweet Water lode, on the lode line 170 ft. from a point on line 3-4, S. 64°-49' W., 239.6 ft. from Cor. No. 4, 4 x 6 ft. 10 ft. deep.

Value \$100.

No. 2 A shaft, the center of which hrs. from Cor. No. 4, S. 35° W., 335 ft. 4 x 6 ft., 8 ft. deep.

Value \$80.

No. 3 A shaft, the center of which hrs. from Cor. No. 4, S. 27°-30' W., 300 ft., 4 x 6 ft. 10 ft. deep.

Value \$100.

No. 4 A cut, the mouth of which is on line 3-4, at S. 64°-49' W., 260 ft. from Cor. No. 4, 18 ft. wide, 8 ft. face, running S. 20° E., 10 ft. to face.

Value \$200.

No. 5 A cut, the mouth of which hrs. from Cor. No. 4, S. 57° W., 250 ft. 4 1/2 ft. wide by 8 ft. face, running S. 50° W., 12 ft. to face.

Value \$100.

Sur. No. 3568
EXPENDITURE OF FIVE HUNDRED DOLLARS- Cont'd.

No. 6, A shaft, the center of which brs. from Cor. No.4 S. 26-35'W.,
290 ft. 4 x 6 ft., 10 ft. deep.

Value \$100.

Nor 7 A shaft, the center of which brs from Cor. No. 4 , S. 14' W.,
270 ft. 4 x 6 ft. 15 ft. deep.

Value \$150.

No. 8 A shaft the center of which brs. from Cor. No. 4, S. 3-15'W.,
590 ft., 4 x 6 ft. 10 ft. deep.

Value \$100.

No. 9 A shaft the center of which brs. from Cor. No.4, S. 5-05'W.,
695 ft. 4 x 6 ft. 10 ft. deep.

Value \$100.

No. 10 A shaft, the center of which brs. from Cor. No.4, S. 1-45'E.,
684 ft. 4 x 6 ft. 10 ft. deep.

Value \$100.

OTHER IMPROVEMENTS.

An adobe house, the S.E. Cor. of which brs. from Cor. NO.1,N.37-15'
W., 660 ft. 21 x 15 ft., course of long sides N. 16'E.

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 measured with a 500 ft.
steel tape.

REPORT.

The lode line of the location of this claim was run directly
upon the ground. All the corners were established by running
around the claim. All tie lines were run directly upon the ground.

The S.W. Cor. Sec. 6, T. 20 S., R. 16 E., G & S.R. M is a
sand stone boulder 7 x 6 x 4 ins. above ground, chiseled with 5
notches on the S. face and 1 notch on N. face, beside it is another
sandstone boulder chiseled with a cross (X) W C-1-HES 260 on S. face
and C C on the W. face, near it are two cedar trees both blazed
and scribed W C } C C - HES 260, to the North of the corner is
an oak tree 10 ins. Diam, blazed and scribed but the scribing

Sur. No. 3568.
Report- Continued.

cannot be distinguished owing to the decayed condition of the tree. This is the nearest corner of the public survey.

Cor. No. 4? Sur. No. 3115 amended, Onyx King Placer ~~1000~~ is pine post 4 ins. sq. by 4 ft. high, set firmly in the ground and surrounded with a md. of stone, scribed OK-4-3115 AM.

The original location monuments for the N.W. and the N.E. Cor. are both monuments of stone 3 ft. base by 2 ft. high, the S.E. Cor. is an oak stump 8 ins. diam. by 4 ft. high.

I fail to find the original W. side center monument.

Upon completion of the survey I took my assistant to Sonoita, Ariz. to appear before a Notary Public. Upon our arrival we found the Notary out of town. As said assistant lives in this vicinity great delay, expense and inconvenience would result from strict compliance with the rule. I thereupon proceeded to administer the necessary oath.

ADJOINING CLAIMS.

On the North by Sweet Water No. 4 lode, unsurveyed, claimants herein.

On the East by Sweet Water No. 2 lode, unsurveyed, claimants herein.

There are no other adjoining or conflicting claims known.

SOLAR OBSERVATION. *(do not include in trans)*

Direct Solar observation taken Sun. Feb. 9, 1919.

At 2-32 P.M. solar time. Sun bisected- Lat. 31°-43' - Lon. 111°-52'

Difference in time 10h-0m ✓

Apparent declination- 14°-54'-41.5" ✓

----- 7 56 ✓
Dec'l----- 14° 46' 45.5" ✓

P = 90 + Dec'l 90°
104° 46' 45.5" ✓

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

Sur. No. 3568
Solar Observation - Cont'd

$$\begin{aligned}
 L &= 31^{\circ} 43' \\
 H &= 33^{\circ} 10' \text{ Ver. Ang. diminished by refraction} \\
 P &= 104^{\circ} 46' 45'' \\
 2 \mid 169^{\circ} 39' 45'' \\
 S &= 84^{\circ} 49' 52''
 \end{aligned}$$

$$\begin{aligned}
 S-L &= 53^{\circ} 06' 52'' \\
 S-H &= 51^{\circ} 39' 52''
 \end{aligned}$$

$$\begin{aligned}
 \log \sin S-L &= 9.9029978 \\
 \sin S-H &= 0.8945296 \\
 \text{Co log Cos } L &= 0.0702449 \\
 \text{'' '' '' } H &= 0.0772515 \\
 2 \mid 19.9450038 \\
 \sin 1/2 A &= 9.9725019 \quad 69^{\circ} 49' 30'' = 1/2 A \\
 & \quad 139^{\circ} 39' = A
 \end{aligned}$$

$$\begin{aligned}
 & 180^{\circ} \\
 & 139^{\circ} 39' \\
 & \text{S. } 40^{\circ} 21' \text{ W. Course of sun} \\
 & \quad 24^{\circ} 28' \text{ Ang. to right} \\
 & \text{S. } 64^{\circ} 49' \text{ W. Course of line 1-2}
 \end{aligned}$$

Set up at Cor. No. 1 - T S Cor. No. 2

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

J.B. Anderson and M.E. Anderson

known as the SWEET WATER Lode

and showing the respective capacities in which they acted.

John W. Gibbs, Chainman.

Chainman.

Arman.

Flagman.

FINAL OATHS OF ASSISTANTS.

We, I, John W. Gibbs

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 J.B. Anderson and M.E. Anderson

known as the SWEET WATER 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 United States Surveyor-General for Arizona.

John W. Gibbs, Chainman.

Chainman.

Arman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 11th

day of February, 1919

T.N. Stevens
Mineral Surveyor
for Arizona

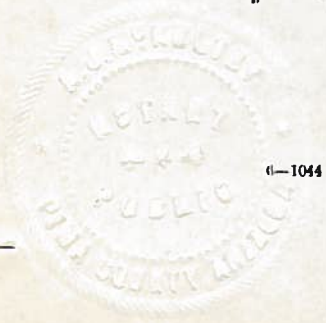
FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.H. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated January 24, 1919, 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 J.B. Anderson and M.E. Anderson, known as the SWEET WATER Lode, situate in Graterville Mining District, Santa Cruz County, Arizona, in Section 2-3-10-11, Unsur Township No. 20 S., Range No. 15 E., Unsur, and designated as Survey No. 3568, 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 claimants 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.

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

Subscribed and sworn to by the said J. H. Stevens
U. S. Mineral Surveyor, before me Wm. P. Davis, a
this 18th
day of February, 1919

Wm. P. Davis
Pinal County, Arizona
My Commission Expires July 23, 1921



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

May 31, 1919

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

J. B. and M. E. Anderson

known as the SWEET WATER Lode,

situate in GREATERVILLE,

Mining District, Santa Cruz County, Arizona

in Sections 2, 3, 10, 11, Township No. 20 S., Range No. 15 E., Unsur., and

designated as Survey No. 3568, 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 claimants or their grantors, and that said improvements consist of 8 shafts and 2 cuts, total value \$1130.

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,

May 31, 1919

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

J. B. and M. E. Anderson,

, known as the

SWEET WATER Lode

situate in GREATERVILLE mining district,

Santa Cruz County, Arizona,

in Sections 2, 3, 10, 11, Township No. 20 S., Range No. 15 E., Unsur.,

, designated as Survey No. 3568

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

Surveyor, February 8 - 11, 1919, under my instructions dated

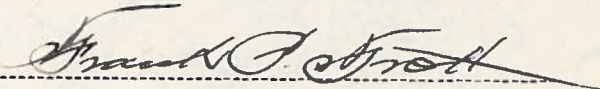
January 24., 1919, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. 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.



U. S. Surveyor General for Arizona.