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(4-683.)

Mineral Survey No. 1316

Lot No. _____

Sterling and Binghamton Lodes
Prescott, Arizona, Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

M. S. Taft

KNOWN AS THE

Sterling and Binghamton
Fractional Lodes, Big Bug Mining District,
Yavapai County, Arizona
Section Unsurveyed Township 17 N, Range 1 W

Surveyed under instructions dated Oct-11th, 1898,

by Wesley Powers
U. S. Deputy Mineral Surveyor.

Claim located March 25, 1881, Big Aug. 4th, 1898. resp.

Survey commenced October 17th, 1898.

Survey completed October 19th, 1898.

o 6-160

Address of claimant

M. S. Taft,

Prescott, Arizona.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, Will E Root and John Brooke, do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Mining Claim of W. S. Taft

known as the "Sterling" and "Binghamton Fractional" situate in Big Bush mining district, Yavapai County, Arizona in Section 23 Township No. 12 N., Range No. 1 W.

Will E Root, Chainman.

John Brooke, Chainman.

R. C. Pomers

Subscribed and sworn to by the above-named persons before me this 17th day of October, 1898.

my commission expires Jan. 31, 1900 R. C. Pomers Notary Public

I, Daniel P. Driscoll, do solemnly swear that I will well and truly perform the duties of axeman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of W. S. Taft

known as the "Sterling and Binghamton Fractional Claims" more fully described in the preceding affidavit.

Daniel P. Driscoll, Axeman.

Subscribed and sworn to by the said Daniel P. Driscoll before me this 17th day of October, 1898.

R. C. Pomers

my commission expires Jan. 31, 1900 R. C. Pomers Notary Public

I, John Brooke, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of W. S. Taft

known as the "Sterling and Binghamton Fractional", more fully described in the preceding affidavit.

John Brooke, Flagman.

Subscribed and sworn to by the said John Brooke before me this 17th day of October, 1898.

R. C. Pomers

R. C. Pomers Notary Public
my commission expires Jan. 31, 1900

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Survey No. 1316 Sterling lode.

Feet - Beginning at a monument of stone on the vein, in which location notice is posted - identical with monument of Location - A stone 15 + 8 + 7 ins set 11 ins in the ground chiseled I.M.S. 1316 from which Location Shaft - 6 + 5 ft inside the timbers 89 feet deep brs S. 50° W 5 ft dist.

Thence N. 50° E.
 or 14° 12' E

65.00 Center of Air Shaft - 4 + 4 + 31 feet

125 - Cross road from Big Bay to mine brs N. 70. 2/3 S. E.

300 Cross Gulch 3 feet wide Course N

408 Old shaft - Caved - 4 + 6 + 35 feet

530 Cross Gulch 4 feet wide Course N

750 To Cor. No 1 identical with a monument of location at the center of the N End line of Claim
 A stone 12 + 4 + 8 ins set 8 ins in the ground chiseled 1-1316
 monument of stone alongside. Thence
 A Juniper 10 ins diam brs N. 8° W.
 67 ft dist - blazed and scribed
 B.T. 1-1316

The nearest corner of the public survey bears N 77° 13' E. 697.2 feet dist. described as follows:

A post 4 + 4 ins square 2 1/2 ft above ground, surrounded by a mound of stone marked: -

T XIII N. R. 1 E. S XXXI on N.E.

T XII N. R. 1 E S. VI on S.E.

T XII N. R. 1 W S. 1, on S.W. and

T XIII N. R. 1 W. S. XXXVI on N.W. faces

Thence S. 40° E

Survey No. 1316 Sterling Lode. Continued

Feet
300

va. $140^{\circ}12' E$

To Cor. No. 2

Identical with a cor of the location
at the N.E. Corner of the Claim

A purple stone $14+4+6$ ins
set 9 ins in the ground chiseled
2-1316 a mound of stone alongside where
A Walnut tree 6 ins diam hrs
 $S60^{\circ}31' E$ 138 ft dist Scribed B.T.
2-1316

Thence S. $80^{\circ} W$

va $140^{\circ}12' E$

725- Cross gulch 3 ft wide Course N

1500 To Cor. No. 3

Identical with a cor of location
at S.E. Cor. of the Claim

A purple stone $13+6+5$ ins set
8 ins in the ground chiseled 3-1316
and mound of stone alongside. Where
Edge of high rocky mesa
hrs S. 2500 feet dist -

no other bearings available

Thence N. $40^{\circ} W$

va $140^{\circ}12' E$

Down steep hill side

135- Cross ravine 4 ft wide Course N

ascend steep hill side

360 To Cor. No. 4.

Identical with a monument of
location on the vein

A purple stone $15+10+7$ ins
set 11 ins in the ground Scribed 4-1316
and mound of stone alongside
no other bearings available.

Thence N. $40^{\circ} W$.

Survey No. 1316 Sterling Lode Continued

- To 14° 12' E
- 30 Top of ridge hrs N.E. & S.W.
descend steep slope
- 300 To Cor. No. 5 - On E. Bluff of deep Ravine
Identical with monument of location
at the S.W. Cor of the claim
This S. end line if projected 60 feet
N. 40° W. ^{marked} course a deep rocky
ravine 25 feet wide - on the East
Bluff ~~at~~ ^{at} Cor. of Location, I
set Stone 16 + 10 + 8 ins 12 ins
in the ground chiseled 5-1316 with
mound of Stone alongside, whence
A Pine 20 ins diam hrs. S 11° 30' E
91 ft dist - blazed and Scribed B.T.
5-1316.
An Oak 8 ins diam hrs N. 57° W 10
ft dist. Scribed B.T. 5-1316
A Spring of living water hrs N. 38° E.
200 ft dist.

Thence N. 50° E

To 14° 12' E.

- Along E. side of deep rocky ravine
- 1145 Cross ravine 5 feet wide Course N
- 1163 Cross wagon road from Big Bug to mine
hrs N. End A
- 1500 To Cor. No 6

Identical with a cor. of location
at N.W. Cor of claim
A stone 14 + 12 + 8 ins set
10 ins in the ground chiseled 6-1316
with mound of Stone alongside whence
A Walnut 8 ins diam bears S. 38° E
45 ft dist - blazed and Scribed B.T.
6-1316

Thence S. 40° E

To 14° 13' E

- 300 To Cor. No 1 The place of beginning
The general course of ledge is N. 50° E. by S. 50° W. and
it extends through the entire claim, apparently.

Surrey No 1316 Binghamton Code.

Feet - Beginning at a monument of stone on the prin at the center of the North end line where notice of location is posted; - identical with the monument of Location

Set a stone 17 + 8 + 8 ins 12 ins in the ground & chiseled 1-1316 with no end of stone alongside, thence Location Tunnel 4 + 7 + 21 feet - hrs $S 63^{\circ} 5'$ - dist - along center of claim.

An Oak 9 ins diam Blazed and Scribed B.T. 1-1316 hrs. S. $57^{\circ} E$ $25^{\frac{1}{2}}$ ft - dist -

The nearest corner of the public Survey viz: - Intersection of the Principal Gile and Salt River Meridian with the 3d Standard Parallel N. R. E and R. 1st hrs. N. $10^{\circ} 23' E$. 6884 ft - dist.

Thence S. $40^{\circ} E$.

- 18 Cross trail ^{va $14^{\circ} 12' E$} hrs $N 2^{\circ} + S. W.$
- 44 Cross Wood Gulch 5 ft - wide Course S.W.
- 275 Cross S. Fork of Wood ^{Gulch} 22 ft - E of junction with N Fork 2 ft - wide $N 30^{\circ} E$
- 300 To Cor No 2

Identical with a Cor. of the location at N.E. Cor. of the claim

A stone 13 + 11 + 8 ins set - 8 ins in the ground chiseled 2-1316 with a round of stone alongside, thence A Pine 20 ins diam hrs $N 28^{\circ} W$ 49 ft - dist - blazed and Scribed B.T. 2-1316

Thence S. $62^{\circ} W$
va $14^{\circ} 12' E$.

- 25 Cross S Fork of Wood gulch 2 ft wide Course N.W.

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Survey No. 1316. Binghamton Lodge, continued.

Feet
125

To Cor. No. 3

Identical to a corner of the Location and with the N.E. cor of the Sterling Lodge of this Survey

A Stone 14 + 8 + 5 ins set 10 ins in the ground chiseled 3-1316 with a mound of stone alongside; - whence
A Juniper 24 ins diam hrs. N.W. 96 ft - dist. - blazed and scribed B.T. 3-1316

Thence N. 40° W

74 14° 12' E

300 To Cor. No. 4

Identical with a monument of location on the vein and with the N. Center monument of the Sterling Lodge of this Survey

A porphyry Stone 15 + 10 + 7 ins set 11 ins in the ground chiseled 4-1316 with a mound of stone alongside.
no other bearings available.

Thence N. 40° W

74 14° 12' E

300 To Cor. No. 5

Identical with a monument of location at the S.W. Cor. of the Plain and alongside mound of stone at N.W. Cor. of Sterling Lodge of this Survey

A Stone 14 + 12 + 8 ins set 10 ins in the ground chiseled 5-1316 with a mound of stone alongside
no other bearings available.

Thence N. 62° E.

74 14° 12' E

25 Cross trail hrs N.E. & S.W.

45 Cross Wood gulch 6 ft wide course N.W.

125 To Cor. No. 6

Survey No 1316 Binghamton Code. continued.

Feet Identical with a monument of the location at the N. W. Cor. of the claim. Set a stone 17 + 9 + 7 ins 12 ins in the ground chiseled 6-1316 with a mound of stone alongside. Whence An Oak 10 ins diam hrs S. 78° E. 30 ft - dist - placed and scribed B.T. 6-1316.

Thence S. 40° E
 or 14° 12' E

300 To Cor. No 1 and place of beginning.

There is no outcrop of the ledge on the Binghamton but from outcrop and markings on the adjoining claims the vein appears to bear N. 62° E by S. 62° W. passing through the center of the claim 125 feet.

Surrey no 1316 Sterling and Binghamton lodes

Location.

This claim is located upon unsurveyed ground ^{approximately} in Township 12 N. R. 1 W. Gila and Salt River Base and Maricopa Big Bend Mining Dist., Yavapai Co. Arizona.

Expenditure of Five Hundred Dollars.

I certify that the value of labor and improvements upon this claim placed thereon by the claimant and his grantors is not less than one thousand dollars and that said improvements consist of:-

- No 1 The discovery shaft of the Sterling lode 5+5 ft inside the timbers 84 feet deep:- At a depth of 50 feet in this shaft a level 4+7 ft - hrs N 60° E 50 feet and S 50° W 115 feet all well timbered value \$2400⁰⁰
- A half interest in this above described shaft amounting to \$450 is credited to the Binghamton to which it is proposed to connect it - by Tunnel - hrs S 50° W from I. M. 5 ft -
- No 2 From I. M. A shaft - 6+8+15 feet - hrs S 50° W 53 ft - dist - value \$75⁰⁰
- No 3 From same I. M. A shaft - 5+5+40 feet - hrs S 50° W 347 ft - dist - value 400⁰⁰
- No 4 From I. M. an air shaft - 4+4 ft - 31 ft deep and connected by level with the shaft of location hrs N 50° E 65 ft - dist - value 800⁰⁰
- No 5 From Cor No 1 Sterling lode A shaft - 4+6+35 feet - hrs S 50° W 342 ft - dist - value 150⁰⁰
- No 1 From Cor No 1 Binghamton lode A Tunnel 4+7+21 feet including 10 feet approach hrs S 62° W 35 ft - value 200⁰⁰

Survey No. 1316. Sterling and Binghamton Fractional Lods. cont

It is the plan of the claimant to project this tunnel to intersect Shaft - No. 1, and other workings of the Sterling lode.

Adjoining Claims.

The Joplin Mining Claim ^{surveyed} owned by James & J. P. Heartfield and A. Alderdice adjoins the Sterling lode on the South. And a mill ^{surveyed} site owned by the same parties is S.W. about 1000 feet - Adjoining the Binghamton lode on the N is the Last Chance ^{and} ^{unsurveyed} mining claim owned by J. Lufforn. No other adjoining claims.

The nearest town is Big Bend about 1 1/2 miles N.W. which is also the nearest P.O.

Instrument.

This survey was made with a Gurley Solar Transit. The courses were deflected from the true meridian by direct solar observation. The distances were measured with a 50 feet steel chain and a 100 feet steel tape.

Ridgely C. Powers
U.S. Deputy Mineral Surveyor.

October 31st 1898.

Total & Net area of Sterling lode,	20.66 acres.
" " " " " Binghamton "	1.384
" " " " " claims,	22.344 acres.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Ridgley C. Powers
 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 M. S. Taft
 known as the Sterling and Binghamton Fractional lodes
 and showing the respective capacities in which they acted.

Will E. Root, Chairman.

John Brooke, Chairman.

Daniel P. Driscoll, Axman.

John Brooke, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Will E. Root John Brooke, John Brooke
 and Daniel P. Driscoll, do solemnly swear that we assisted Ridgley
C. Powers, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of M. S. Taft

known as the Sterling
and Binghamton Fractional 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

Will E. Root, Chairman.

John Brooke, Chairman.

Daniel P. Driscoll, Axman.

John Brooke, Flagman.

R. C. Powers

Subscribed and sworn to by the above-named persons before me
 this 19th day of October, 1898.

R. C. Powers
 Notary Public
 my commission expires Jan. 31, 1900,

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Ridgley C. Powers, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated October 11th, 1898, 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 M. S. Taft, known as the Sterling and Binghamton Fractional, situate in Big Bend Mining District, Yavapai County, Arizona, in Section Unsurveyed Township No. 12N, Range No. 1W and designated as Survey No. 1316, 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.

Ridgley C. Powers
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Ridgley C. Powers
U. S. Deputy Mineral Surveyor, before me J. M. N. Moore Notary Public
in & for the County of Yavapai Ariz. this 31st
day of October, 1898.

J. M. N. Moore
Notary Public

Affidavit of Five Hundred Dollars Improvements.

We Will E Root and Daniel P Driscoll

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the Sterling and Big Canyon Fractional mining claims situated in Big Bush Mining district, Yavapai County, Arizona Territory, for which M. S. Lutz

has made application for survey prior to application for patent under the provisions of the Act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

Will E Root

Daniel P Driscoll

TERRITORY OF ARIZONA,
County of Yavapai } ss.

SWORN to and subscribed before me, this

19th day of October 1898

R C Pomeroy

R. C. Pomeroy
Notary Public

my Commission Expires Jan. 31, 1900.

STERLING LODE.

NOTICE OF LOCATION
of the
STERLING MINING CLAIM.

The undersigned claim for mining purposes fifteen hundred feet 1500 in length along the vein and three hundred feet 300 feet on each side of the vein as surface, together with all mineral deposits contained therein--and commences at this notice which is placed in a stone monument on the vein and runs 750 feet South West and 750 feet North East, and is the First North Extension of the Clifton. This claim is monumented according to law. Situated on the South side of Wood Gulch, in Big Bug Mining District, Yavapai Co., Arizona. located for Gold, Silver and Copper, on this ground 25th., day of March 1881.
The Sterling Mine.

H.C. Betts
W.M. Stevens
Locators.

Recorded at the request of Abe Keiwe, March 28th., A.D. 1881, at Eleven (11) o'clock A.M. in Book L Eleven (11) of Mines. Records of Yavapai County, Arizona, at pages 95 & 96.

William Wilkerson, County Recorder,
By W.C. Foster, Deputy.

TERRITORY OF ARIZONA, §
 §§S.
COUNTY OF YAVAPAI. §

I, W.I. JOHNSON, County Recorder in and for the County of Yavapai, Territory of Arizona, and Custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full true and correct copy of the Notice of Location of the Sterling Lode as the same appears of record in Book L 11 of Mines, pages 95 and 96, Records of Yavapai County, Arizona.
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this the 6th., day of September, 1898.

W.I. Johnson

County Recorder.

By E. O. Avery

Deputy.

NOTICE OF MINING LOCATION.
Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim the name of which is the Binghamton Fractional 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 M.S. Taft the undersigned, on the 4th day of August 1898.

The length of this claim is One Hundred and Twenty five feet, and I claim One Hundred and twenty-five feet in a Southerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three Hundred 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 South to the North.

The claim is situated and located in the Big Bug Mining District, in Yavapai County, in the Territory of Arizona, about one half mile in an Easterly direction from the Lottie Mine and Mill and is a North extension of the Sterling M.C.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone and stake at a point in a Southerly direction Thirty ~~four~~ feet from the discovery tunnel (at which this notice is posted), being in the center of the North end line of said claim; thence Easterly 300 feet to a monument of stone, being the N.E. corner of said claim; thence Southerly 125 feet to a monument of stone at the ^S corner of said claim; thence Westerly 300 feet to a monument of stone at the center of the South end of said claim; thence Westerly 300 feet to a monument of stone, being at the S.W. corner of said claim; thence Northerly 125 feet to a monument of stone at the N.W. corner of said claim; thence Easterly 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 on the ground this, 4th day of August, 1898.

M.S. Taft.

Witness: John Brooks.

Filed and recorded at request of R.C. Powers October 3rd A.D. 1898, at 3.25 o'clock P.M., Book 50 of Mines, page, 265, Records of Yavapai County, Arizona.

W.I. Johnson,
County Recorder.

(Seal)

By J.H. Forbes,
Deputy Recorder.

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TERRITORY OF ARIZONA, |
COUNTY OF YAVAPAI. | SS:

I, W. I. JOHNSON, County Recorder in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the "Binghamton Fractional" Mining Claim as the same appears of record in Book 50 of Mines, page 265, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this the 6th., day of October, A.D. 1898.



W. I. Johnson
County Recorder.
E. O. Americk
Deputy.

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(4-687.)

Surveyor General's Certificate of Approval of Field Notes and Survey of Mining Claim.

Department of the Interior,

Office of U. S. Surveyor General,

Tucson, Arizona,

December 3^d, 1898.

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 *M. J. Taft*,

....., known as the
Sterling and Binghamton,
situate in *Big Bug* mining district,
Yavapai County, *Arizona*,
in Section, Township No., Range No. *unsurveyed*
....., designated as Survey No. *1316*.

executed by *Ridgley C. Powers*, U. S. Deputy Mineral
Surveyor, *October 17th-19th*, 1898, under my instructions dated
October 11th, 1898, 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. A true copy of the copy of the location
certificate filed by the applicant for survey is included in the field notes.

George Christ

U. S. Surveyor General for *Arizona*.