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app'd post.

1042

(4-683.)

Mineral Survey No. *1042*

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Aravaipa Mining Company
John F. Blandy Atty.

KNOWN AS THE

Iron Cap, Ionia, and Ironton Lodes
situate in Aravaipa Mining District,
Graham County, *Arizona*.

Section _____, Township *5 South*, Range *20 East*

Surveyed under instructions dated *June 11th*, 18*92*
by *H. G. Howel*,
U. S. Deputy Mineral Surveyor.

Claim located *Jan 1st 89* *Dec 1st and 13th*, 18*90*.

Survey commenced *July 4th*, 18*92*.

Survey completed *July 6th*, 18*92*

Iron¹⁰⁰ Cap, located *Jan 1st* 18*89*.

Ironton Mine " *Dec'r 1st* 18*90*.

Ionia Mine " *Dec'r 13th* 18*90*.

5462 b-3 m

Address of Claimant.

Aravaipa,
Graham County,
Arizona.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

I, W. A. Moore, and _____,
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 Aravaipa Mining Company,
John F. Blandy Atty., known as the
Iron Cap, Sonia, and Tronton;
situate in Aravaipa mining district,
Graham County, Arizona,
in Section _____, Township No. _____, Range No. _____.

W. H. Moore, Chainman.
_____, Chainman.

Subscribed and sworn to by the above-named persons before me this 4th day of July, 1892.

H. C. Howe,
Notary Public.

I, Harry J. Frith, 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 Aravaipa Mining Company,
John F. Blandy Atty., known as the Iron Cap, Sonia, and Tronton, more fully described in the preceding affidavit.

H. J. Frith, Axeman.

Subscribed and sworn to by the said Harry J. Frith before me this 4th day of

July, 1892.
H. C. Howe,

I, _____, 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 _____,
known as the _____,
more fully described in the preceding affidavit.

_____, Flagman.

Subscribed and sworn to by the said _____ before me this _____ day of _____, 18 _____.

OK
3

Survey No 1042.

Iron Cap Lode.

Feet. Beginning at cor No. 1.
Identical with S.W. cor Iron Cap. which is also the
S.E. cor. Ironton lodes.

Apine post 4 in. sq. 5 ft. long. in mound of stones
marked $\frac{1}{1042}$.

U.S.L.M. No. 1. bears $55^{\circ}20'W$ 4400. ft.

Old Buford Smelter, bears $546^{\circ}13'W$ 8320. ft.

Cor. No. 1. Survey No 1040, bears $N62^{\circ}34'W$
2228.6 ft.

Thence $586^{\circ}42'E$

Var $12^{\circ}35'$ East.

510. To wash drains south

600 To cor No. 2.

Apine post 4 in sq. 5 ft. long. in mound of
stones marked $\frac{2}{1042}$.

Thence $N3^{\circ}18'E$

Var $12^{\circ}35'$ East

300. To wash drains S.W.

1030. To wash drains south

1438. To cor. No. 3.

Apine post 4 in. sq. 5 ft. long. in mound of
stones marked $\frac{3}{1042}$.

Thence $N86^{\circ}42'W$

Var $12^{\circ}35'$ East

180. To wash drains S.S.E.

600. To cor. No. 4.

Identical with N.E. cor. Ironton lode.

Apine post 4 in. sq. 5 ft long in mound of stones
marked $\frac{4}{1042}$.

Thence $S3^{\circ}18'W$

Var $12^{\circ}35'$ East.

1438. To cor No. 1. the place of beginning.

Ironton lode

Beginning at cor No. 5.

Identical with cor No. 4. of the Iron Cap lode

Apine post 4 in. sq. 5 ft. long in mound of stones
marked $\frac{5}{1042}$.

- Feet
 Thence $N 86^{\circ} 42' W$
 Var $12^{\circ} 35' East$.
600. To cor. Tro. 6.
 Apine post 4 in. sq. 5 ft. long in mound of stone
 marked $\frac{6}{1042}$.
 Thence $S 3^{\circ} 18' W$
 Var $12^{\circ} 35' East$.
1438. To cor. Tro. 7.
 Identical with N.W. cor. Jonia Lode.
 Apine post 4 in. sq. 5 ft. long in mound of stones
 marked $\frac{7}{1042}$.
 Thence $S 86^{\circ} 42' E$
 Var $12^{\circ} 35' East$.
240. To wash drains south.
600. To cor. Tro. 8.
 Apine post 4 in. sq. 5 ft. long in mound of stone.
 marked $\frac{8}{1042}$.
 Thence $N 3^{\circ} 18' E$
 Var $12^{\circ} 35' East$.
1438. To cor. Tro. 5. the place of beginning.
- Jonia Lode.
- Beginning at Cor. Tro. 9.
 Apine post 4 in. sq. 5 ft. long in mound of stones
 marked $\frac{9}{1042}$.
 Thence $S 86^{\circ} 42' E$
 Var $12^{\circ} 35' East$.
240. To wash drains south.
600. To posts $\frac{8}{1042}$ and $\frac{7}{1042}$ in line.
1110. To wash drains south.
1200. To cor. Tro. $\frac{2}{1042}$ in line.
1490. To cor. Tro. 10.
 Apine post 4 in. sq. 5 ft. long in mound of stones
 marked $\frac{10}{1042}$.
 Thence $S 3^{\circ} 18' W$
 Var $12^{\circ} 35' East$
600. To cor. Tro. 11.
 Apine post 4 in. sq. 5 ft. long in mound of stone
 marked $\frac{11}{1042}$.

Feet
 Thence $N 86^{\circ} 42' W$
 Var $12^{\circ} 35' East$
 370. To wash drains southerly.
 1200. To wash drains southerly.
 1490. To cor. No. 12.
 A pine post 4 in. sq. 5 ft. long in mound of stones
 marked $12/1042$.
 Thence $N 3^{\circ} 18' E$
 Var $12^{\circ} 35' East$.
 600. To cor. No. 9. the place of beginning.

Area

Total area Iron Cap lode	19.807 Acres
Total area Iron ton lode	19.807 "
Total area Ionica lode	20.523 "
Net area of lode	60.137 Acres.

Location.

This group of claims are situated
 in the S.W. cor. T. 5. S. R. 20. E. Gila
 and Salt River Meridian (Township
 unsurveyed). In the Aravaipa
 Mining District, Graham County,
 Arizona.

Expenditure of five hundred dollars.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant and its grantors, is not less than five hundred dollars, and that said improvements consist of.

An Open cut discovery on the Iron cap Lode, 25 ft. long, 20 ft. high, average 7 ft. deep, in rock, bears from cor. No. 3. $S 29^{\circ} 45' W$ 690. ft.

Value of cut \$300.5

A Tunnel 4 x 7 ft., 278 ft. long in rock bears from cor. No. 3. $S 23^{\circ} 05' W$ 280. ft.

Value of Tunnel \$4170.

The discovery shaft of the Iron ton Lode 4 x 6 ft., 10 ft. deep, in rock bears from cor. No. 6. $S 35^{\circ} 30' E$ 490. ft.

Value of Shaft \$100.-

Discovery cut of the Ironia, 5 x 6 ft., 5 ft. deep, in rock, bears from cor. No. 9. $S 43^{\circ} 0' E$ 440. ft.

Value of cut \$50.-

A Shaft, 4 x 6 ft., 10 ft. deep, sunk in rock, bears from cor. No. 9. $S 69^{\circ} 10' E$ 800. ft.

Value of Shaft \$100.-

A Tunnel 4 x 7 ft., 12 ft. long bears from cor. No. 9. $S 65^{\circ} 12' E$ 600. ft.

Value of Tunnel \$120.5

Affidavit of Five Hundred Dollars Improvements.

We, W. H. Moore and H. J. Firth

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the

Iron Cap, Sonia and Ironstone mining claim, situated in Aravaipa Mining District, Graham County, Arizona Territory, for which

Aravaipa Mining Company
John F. Blandy Atty.

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 their grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

W. H. Moore

H. J. Firth

TERRITORY OF ARIZONA,
County of Graham } ss.

SWORN to and subscribed before me, this 18th day
of July 1892

A. C. Howe
Notary Public.

Instrument.

The Survey was made with a Young
and Sons' Mountain Transit No
5585, with Smith's solar attachment.

The courses were deflected from the
true meridian as determined by
~~Star Observations.~~

The distances were measured
with a steel tape 100ft in length.

H. G. Howe

U.S. Deputy Mineral Surveyor.

Tombstone

Sept. 17th 1892.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by A. G. Howe
 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 Aravaipa Mining Company
 known as the Iron Cap, Sonia, and Ironton
 and showing the respective capacities in which they acted.

W. H. Moore, Chainman.
 _____, Chainman.
Harry J. Firth, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, W. H. Moore
 and Harry J. Firth, do solemnly swear that we assisted
A. G. Howe United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of
Aravaipa Mining Company
John F. Blandy Atty, known as the
Iron Cap, Sonia, and Ironton, 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.

W. H. Moore, Chainman.
 _____, Chainman.
Harry J. Firth, Axman
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 18th day of July, 1892

A. G. Howe
 Notary Public.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, H. G. Howe, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 11th, 1892, 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 Aravaipa Mining Company, known as the John F. Blandy Atty., Iron Cap, Ionis and Ironton lodes., situate in Aravaipa Mining District, Graham County, Arizona, in Section _____, Township No. _____, Range No. _____, and designated as Survey No. 10421, 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 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.

H. G. Howe

U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said H. G. HoweU. S. Deputy Mineral Surveyor, before me James ReillyA Notary Publicthis 17thday of August, 1892James Reilly
Notary Public

NOTICE OF LOCATION

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10th, 1872, has this day located and claim 1500 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 Aravaipa Mining District, County of Graham Arizona, and more particularly described as follows to-wit:

Commencing at this mon. of stones being the center of the Southern end of the claim, and upon ^{which} this notice is posted, thence Easterly 300 feet to a mon. of stones, thence Northerly 1500 feet to a mon. of stones, thence Westerly 300 feet to a mon. of stones, being the center of the Northerly end of claim, thence Westerly 300 feet to a mon. of stones, thence Southerly 1500 feet to a mon. of stones. thence Easterly 300 feet to the place of beginning.

This claim is situated about 2 miles North of Tule Springs and about 2 miles North-east of Box Canon and the old Buford Smelter, and has been known as the Lead Ore Mine, and shall be known as the Iron Cap. Located Jan. 1-st, 1889 Locator John P. Han.

Witness Chas. L. White.

Recorded at request of Howard Dunlap Jan, 10th, 1889 at 9 oclock A.M.

Eduardo Soto

Co. Recorder.

By Ben. M. Crawford Deputy

Territory of Arizona }
County of Graham } ss

I, H.J. Dowdle County Recoeder in and for the County of Graham do hereby certify that the above and foregoing, is a full true and correct copy of the Iron Cap Mine as the same appears of Record, in my office, in Book 6, Page 19, Record of Mines. Records of Graham County A.T.

In witness whereof I hereunto set my hand, and affixed my official seal, at Solomonville. This the 7-th, day of May 1892.

H.J. Dowdle

County Recorder.



NOTICE OF LOCATION

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10-th, 1872 has this day located and claims fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and three hundred feet in width on each side of the middle of said lead, lode or vein, situate in the Aravaipa Mining District, County of Graham Ter. of Arizona, and more particularly described as follows to-wit: Commencing at this monument of stones, being the center of the Westerly end of ^{the} claim, and upon which this notice is posted. Thence North-erly three hundred feet to a monument of stones, thence Easterly fif-teen hundred feet to a monument of stones, thence Southerly three hundred feet to a monument of stones, being the center of the Eastern end of claim, thence Southerly three hundred feet to a monument of stones, thence Westerly fifteen hundred feet to a monument of stones, thence Northerly three hundred feet to the place of beginning. This claim joins the Iron-ton, Iron Cap and Iron Age Mines on the South-ern end and shall be known as the Ionia Mine.

Located December 13th,
1890. Located by the Aravaipa Mining Company,
Geo. N. Adams
Supt.

Witness, N.P. McCallum

Recorded at the request of C.M. Renaud Dec. 20th,
1890. at 2 P.M.

E. Soto Recorder

By Fred M. Newell Deputy.

Territory of Arizona

County of Graham

} ss

I, H.J. Dowdle County Recorder in & for the Graham County Arizona Territory do hereby certify that the fore going is a full true & correct copy of the Ionia Mine, as the same appears of record in my office, in Book 6, Page 421, Records of Mines. In witness whereof I have hereunto set my -- and affixed my official seal at Solomonville on this 7-th, day of May, 1892.

H.J. Dowdle

County Recorder.

100
Recorded
True

NOTICE OF LOCATION.

Notice is hereby given that the undersigned in compliance with the Mining Act of Congress approved May, 10 th, 1872, has this day located and claim fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and three hundred feet in width on each side of the middle of said lead, lode or vein, situate in the Aravaipa Mining District,,County of Graham, Ter. of Arizona, and more particularly described as follows to-wit:

Commencing at this monument of stones being the center of the Southern end of claim and upon which this notice is posted, thence Easterly three hundred feet to a monument of stones,, thence Northerly fifteen hundred feet to a monument of stones, thence Westerly three hundred feet to a monument of stones, being the center of the Northern end of claim, thence Westerly three hundred feet to a monument of stones, thence Southerly fifteen hundred feet to a monument of stones thence Easterly three hundred feet to the place of beginning.

This claim lays parallel to the Iron Cap Mine and joins it on the Western side, and shall be known as the Iron-ton Mine.

Located December 1-st, 1890.

Located by Aravaipa Mining Company

Geo. N.Adams Supt.

Witness

N.P.McCallum

Recorded at request of C.M.Renard Dec. 20, 1890 at 2 P.M.

E.Soto

RECORDER

By Fred M.Newell Deputy.

Territory of Arizona }
County of Graham } ss

I, H.J.Dowdle, County Recorder in and for the County of Graham, do hereby certify that the above and foregoing, is a full true and correct copy of the Iron-ton Mine as the same appears of Record in my office in Book 6 Page 420 & 421 Record of Mines.

Witness my hand and seal, This the 7-th, day of May, 1892 A.D.

H.J.Dowdle

County Recorder.



(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,

Mesa. Arizona

October 13th, 1892

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

Aravaipa Mining Company

known as the "*Iron Cap*", "*Doria*" and "*Ironton*" *Lodes*

situate in

Aravaipa

mining district,

Graham

County,

Arizona

in Section

Township No.

Range No.

and

designated as Survey No.

1042

executed by

H. G. Howe

U. S. Deputy Mineral

Surveyor,

July 4th to 6th, 1892

under my instructions dated

June 11th, 1892

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.

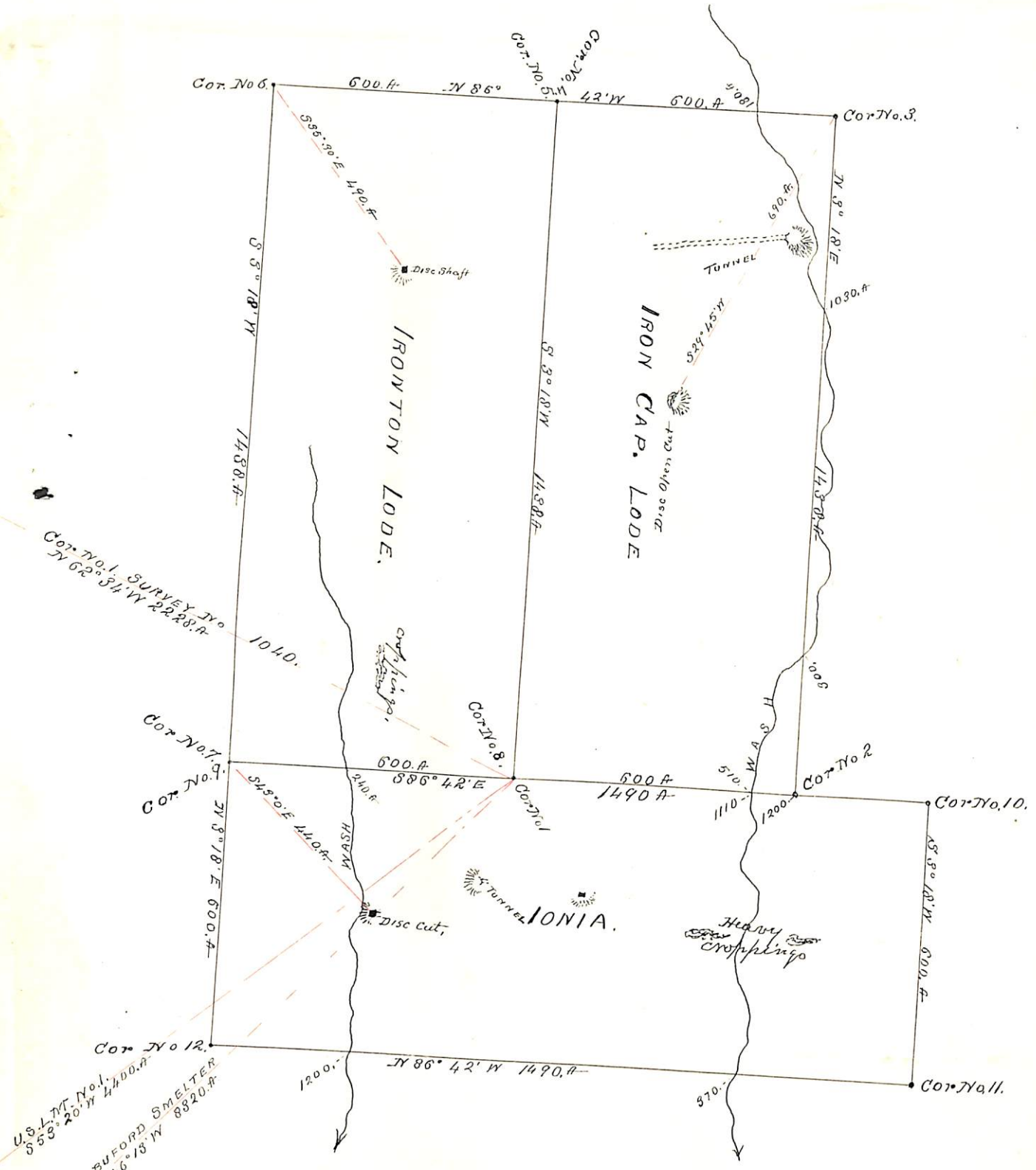
Peperet Johnson
Arizona

U. S. Surveyor General for

o 6-1c2

SURVEY No 1042.

GILA LAND DISTRICT



SURVEYED JULY 4th & 6th 1892

By H. G. Howe

US DEPUTY MIN SUR.

Scale 300 ft = 1 inch.