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(4-683.)

Mineral Survey No. 1040.

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

Head Center and Grand Central Lodes
Aravaipa Mining District,

Graham County, Arizona.

Section _____, Township 5 South, Range 20 East

Surveyed under instructions dated June 11th, 1892

by A. G. Howe.
U. S. Deputy Mineral Surveyor.

Claim located January 1st, 1890

Survey commenced July 2nd, 1892

Survey completed July 3rd, 1892

Head Center Mine, located Jan 1st 1890.

Grand Central Mine located Jan 1st 1890.

5462 b-3 m

Address of Claimant.

Aravaipa. Graham Co.
Arizona.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, W. H. 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~~ ^{my} 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
Head Center and Grand Central,
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 2nd day of July, 1892

H. C. Howe
Notary Public.

I, Harry J. Fritts, 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 Head Center and Grand Central, more fully described in the preceding affidavit.

H. J. Fritts, Axeman.

Subscribed and sworn to by the said Harry J Fritts before me this 2nd day of July, 1892.

H. C. Howe
Notary Public.

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 _____.

Survey No 1040.

Feet.

Head Center Lode

Beginning at cor. No. 1.

Identical with location cor.

A pine post 4 in. sq. 5 ft. long in mound of stones marked $\frac{1}{1040}$.U.S. L.M. No. 1. bears $S 23^{\circ} 0' W$ 3970 ft.Ruins of Old Buford Smelter bear $S 30^{\circ} 15' W$ 7980 ft.Cor. No. 1. Survey No. 1039 bears $S 62^{\circ} 52' W$ 5238 ft.Thence $N 16^{\circ} 02' W$ Var $12^{\circ} 35'$ East.

220. To wash drains W.S.W.

10139 To cor. No. 2

A pine post 4 in. sq. 5 ft. long in mound of stones marked $\frac{2}{1040}$.Thence $S 65^{\circ} 04' W$ Var $12^{\circ} 35'$ East.

489. To wash drains South.

588.7 To cor. No. 3.

A pine post 4 in. sq. 5 ft. long in mound of stones, marked $\frac{3}{1040}$.Thence $S 15^{\circ} 24' E$ Var $12^{\circ} 35'$ East.

530. To wash drains South Westely.

840. To wash drains westerly.

10157 To cor. No. 4

A pine post 4 in. sq. 5 ft. long in mound of stone marked $\frac{4}{1040}$.Thence $N 65^{\circ} 04' E$ Var $12^{\circ} 35'$ East.

840. To wash drains N.N.W.

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

Grand Central Lode.

Beginning at cor. Tro. 5.

Identical with cor. Tro. 4 Head Center lode

Apine post 4 in. sq. 5 ft. long, in mound of stone marked 5/1040.

Thence S 11° 54' E

Var 12° 35' East

1130. To wash drains westerly

1480 To cor. Tro. 6.

Apine post 4 in. sq. 5 ft. long, in mound of stones marked 6/1040.

Thence T 65° 04' E

Var 12° 35' East

296. To wash drains N.N.W.

526.7 To cor. Tro. 7.

Apine post 4 in. sq. 5 ft. long in mound of stone marked 7/1040.

Thence T 9° 10' W

Var 12° 35' East.

370. To wash drains westerly

998. Stone monument the n.w. cor Satisfaction lode, unsurveyed.

1233. To wash drains W.N.W.

1498.2 To cor Tro. 8.

Identical with cor. Tro. 1, Head Center lode

Apine post 4 in. sq. 5 ft. long in mound of stones marked 8/1040.

Thence S 65° 04' W

Var 12° 35' East.

260. To wash drains N.N.W.

600. To cor. Tro. 5, the place of beginning

Area.

Total area Head Center lode 13.667 Acres ✓

Total area Grand Central lode 18.647 ..

Net area of lode claim 32.314 Acres. ✓

Location.

This group of claims is located in the S.W. Cor. T. 5. S. R. 20. E Gila and Salt River Meridian. (Township unsurveyed) in 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.

The discovery Shaft of the Head Center Lode 4x6ft. 30ft. deep. in rock bears from cor. Tr. 3. $S 40^{\circ} 53' E$ 650. ft.

Value of Shaft. \$ 300.-

A Tunnel 4x7ft. 40ft. long. in rock. face of bears from cor. Tr. 3. $S 33^{\circ} 20' E$ 275. ft.

Value of Tunnel. \$ 600.-

The discovery shaft of the Grand Central Lode. 4x6ft. 6ft. deep. bears from cor. Tr. 8. $S 36^{\circ} 45' N$ 390ft.

Value of Shaft. \$ 60.-

A Shaft. 4x6ft. 13ft. deep in rock bears from cor. Tr. 6. $N 15^{\circ} 24' E$ 850ft.

Value of Shaft. \$ 1980.

A Shaft 4x6ft. 6ft. deep in rock bears from cor. Tr. 6. $N 37^{\circ} 45' E$ 340. ft.

Value of shaft. \$ 60,00

Instrument,

The Survey was made with a
young & Lou's Mountain Transit
No 5585, with Smith's solar At-
tachment.

The courses were deflected
from the true meridian as
determined from solar obser-
vations.

The distances were measured
with a 100ft steel tape.

A. C. Howe
U. S. Deputy Mineral Surveyor

Tombstone Sept 17th
1892.

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

Head Center 2nd Grand Control mining claims 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
applicants 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

H. G. Howe
Notary Public.

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 Head Center and Grand Central
 and showing the respective capacities in which they acted.

W. A. Moore, Chairman.
 _____, Chairman.
Harry J. Fritts, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, W. A. Moore
 and Harry J. Fritts, 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 A. Blandford, known as the _____
Head Center and Grand Central, 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. A. Moore, Chairman.
 _____, Chairman.
H. J. Fritts, 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.)

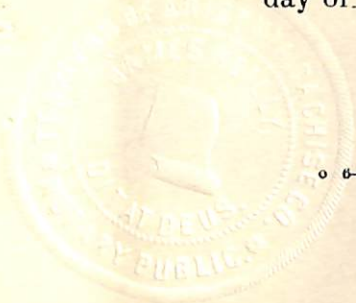
FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, A. 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 Head Center and Grand Central Lodes, situate in Aravaipa Mining District, Graham County, Arizona, in Section _____, Township No. _____, Range No. _____, and designated as Survey No. 1040, 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.

A. G. Howe
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said A. G. Howe
U. S. Deputy Mineral Surveyor, before me James R. Kelly
A Notary Public this 17th
day of August, 1892.

James R. Kelly
Notary Public



o 6-164

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 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 monument of stones being the center of the South-erly end of the claim and upon which this notice is posted thence Easterly 300 feet to a monument of stones, thence Northerly 1500 feet to a monument of stones, thence Westerly 300 feet to a monument of stones, being the center of the Northerly end of claim, thence West-erly 300 feet to a monument of stones, thence Southerly 1500 feet to a monument of stones, thence Easterly 300 feet to place of beginning. This claim is situated about one and one quarter miles North-easterly from the old Buford Smelter and Box Canon and is the Northerly ex-tension of the Grand Center Mine and has heretofore been known as the Mountain Boy and shall be known as the Head Center Mine
 Located Jan. 1-st, 1890.

John P. Han Locator

Witness

Charles McGary }
 Burt Dunlap }

Recorded at 2 P.M. January 6-th, 1890 request of Howard Dunlap
 E. Soto

Co. Recorder

By Fred M Newell Deputy

Territory of Arizona }

ss

County of Graham }

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 Head Center Mine as the same appears of Record in my office in Book 6 Pages 272 & 273 Record of Mines. 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

Recordus
 Seal

8/E
 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 monument of stones being the center of the Northernly end of the claim and upon which this notice is posted, thence Westerly 300 feet to a monument of stones, thence Southerly 1500 feet to a monument of stones, thence Easterly 300 feet to a monument of stones, being the center of the Southerly end of claim, thence Easterly 300 feet to a monument of stones, thence Northerly 1500 feet to a monument of stones, thence Westerly 300 feet to the place of beginning. This claim is situated about one and one fourth miles North-easterly from the old Buford Smelter and Box Canon about one and one half miles Northerly from Tule Springs and has hitherto been known as the Nez Perce Mine, and shall hereafter be known as the Grand Central Mine.

Located Jan. 1-st, 1890.

John P. Han, Locator.

Witness

Howard Dunlap

Thos. Horn.

Recorded at 3 P.M. Jan. 6-th, 1890, at request of Howard Dunlap.

E. Soto

Co. Recorder

By Fred M. Newell Deputy.

Territory of Arizona

ss

County of Graham

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 Grand Center Mine as the same appears of Record in my office in Book 6, Page 270, Record of Mines.

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

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,

Tucson, 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

"Head Center" and "Grand Central" Lodes.

situate in

Aravaipa

mining district,

Graham

County,

Arizona

in Section

Township No.

Range No.

and

designated as Survey No.

10240

executed by

H. G. Howe

U. S. Deputy Mineral

Surveyor,

July 2nd and 3rd, 1892,

under my instructions dated

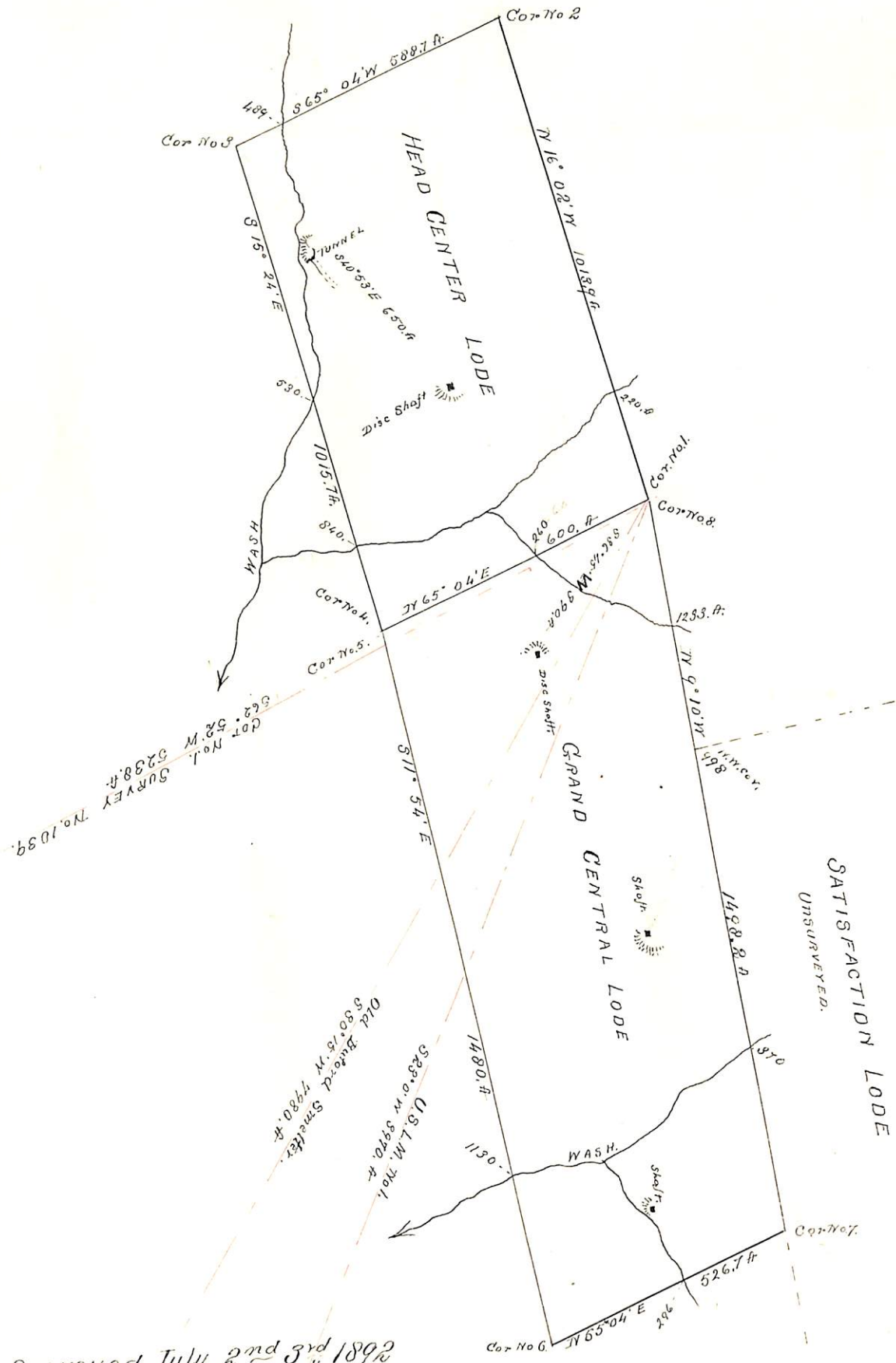
June 11th, 1892, have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and

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.

Rupert Johnson
U. S. Surveyor General for Arizona

SURVEY No 1040.
GILA LAND DISTRICT.



Surveyed July 2nd & 3rd 1892
 by H. G. Howe.
 U. S. DEPUTY MINERAL SURVEYOR.
 Scale 300. ft = 1 inch