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(4-683.)

Mineral Survey No. 1041.

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

Nina, Number 1. Sand Carbonate, and No. 2.

Lodes, Aravaipa Mining District,

Graham County, Arizona,

Section       , Township 5 South, Range 20 East

Surveyed under instructions dated June 11<sup>th</sup>, 1892

by H. C. Howe,  
U. S. Deputy Mineral Surveyor.

Claim located Jan 1<sup>st</sup> 1889 and Jan 1<sup>st</sup>, 1890,

Survey commenced July 15<sup>th</sup>, 1892.

Survey completed July 18<sup>th</sup>, 1892.

#### Locations.

Nina lode located, Jan 1<sup>st</sup> 1890.

Number 1. lode, located Jan 1<sup>st</sup> 1889.

No. 2. lode located .. 1<sup>st</sup> 1889.

Sand Carbonate .. .. 1<sup>st</sup> 1890.

Address of claimant.

Aravaipa, Graham, Co.

6-160

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# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, W. H. Moore and Harry Firth,  
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  
Nine, Number 1. Sand Carbonate and No 2. Lodes  
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 15<sup>th</sup> day of July, 1892

H. C. Howe,  
Notary Public,

I, H. J. Firth, 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 Nine, Number 1. Sand Carbonate and No 2. Lodes,  
more fully described in the preceding affidavit.

H. J. Firth, Axeman.

Subscribed and sworn to by the said H. J. Firth  
before me this 15<sup>th</sup> day of

July, 1892  
H. C. Howe  
Notary Public,

I, Alvan W. Howe, 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 Aravaipa Mining Company  
John F. Blandy Atty.  
known as the Nine, Number 1. Sand Carbonate and No 2. Lodes,  
more fully described in the preceding affidavit.

Alvan W. Howe, Flagman.

Subscribed and sworn to by the said Alvan W. Howe  
before me this 15<sup>th</sup> day of

July, 1892  
H. C. Howe  
Notary Public,



Feet.

## Survey No 1041.

## Number 1. Lode

Beginning at cor No. 1.

Identical with cor No 1 of location.

A pine post 4 in. sq. 5 ft long in mound of stones marked  $1/1041$ .The U.S. L.M. No. 1. bears  $N 39^{\circ} 15' E$  6050. ft.Bal Canton bears  $N 28^{\circ} 0' E$  1600. ft.N.E. cor. Office Anawaiya Mining Co. bears  $N 6^{\circ} 42' W$  1495. ft.Cor No. 1. Survey No 1039. bears  $N 6^{\circ} 52' E$  5993. ft.Thence  $N 32^{\circ} 40' W$ Var  $12^{\circ} 35' East$ .

388. To S.W. cor. Nina. Post in line.

910. To wash drains westerly.

1500. To cor. No 2.

A pine post 4 in sq. 5 ft. long. in mound of stone, marked  $2/1041$ .Thence  $S 57^{\circ} 20' W$ Var  $12^{\circ} 35' East$ .

600. To cor. No. 3.

A pine post 4 in. sq. 5 ft. long. in mound of stone marked  $3/1041$ .Thence  $S 32^{\circ} 40' E$ Var,  $12^{\circ} 35' East$ .

130. To wash drains westerly

738.6 Intersect line 12-11. Sand Carbonate lode  $S 48^{\circ} 25' E$  41.4 ft. from cor. No 12.

780. To cor No 5. Number 2. lode.

1500. To cor. No. 4.

A pine post 4 in. sq. 5 ft. long in mound of stones. marked  $4/1041$ .Thence  $N 57^{\circ} 20' E$ Var  $12^{\circ} 35' East$ 214.5 Intersect line 11-12 Sand Carbonate lode  $S 48^{\circ} 25' E$  832.8 ft. from cor No. 12.

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

Feet,

Number 2, Lode.

Beginning at cor. Tro. 5.

A pine post 4 in. sq. 5 ft. long in mound of stone marked  $\frac{5}{1041}$ .

Thence  $N 32^{\circ} 40' W$

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

41.4 Intersect line 12-11 Sand Carbonate lode  $548^{\circ} 25' E$  41.4 ft. from cor. Tro. 12.

650. To wash drains westerly.

780. To cor. Tro. 3. Number 1. Lode.

1500. To cor. Tro. 6.

A pine post 4 in. sq. 5 ft. long in mound of stones, marked  $\frac{6}{1041}$ .

Thence  $S 57^{\circ} 20' W$

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

600. To cor. Tro. 7.

A pine post 4 in. sq. 5 ft. long in mound of stone, marked  $\frac{7}{1041}$ .

Thence  $S 32^{\circ} 40' E$

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

550. To wash drains westerly

1500. To cor. Tro. 8.

A pine post 4 in. sq. 5 ft. long in mound of stone marked  $\frac{8}{1041}$ .

Thence  $N 57^{\circ} 20' E$

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

300. Intersect line 9-12 Sand Carbonate lode  $541^{\circ} 35' W$  300. ft. from cor. Tro. 12.

600. To cor. Tro. 5 and place of beginning.

Sand Carbonate Lode.

Beginning at cor. Tro. 9.

A pine post 4 in. sq. 5 ft. long in mound of stone, marked  $\frac{9}{1041}$ .

Cor. Tro. 8. Number 2 lode bears  $N 40^{\circ} 32' W$  82.12 ft. +

Thence  $548^{\circ} 25' E$

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

1500. To cor Tro. 10,

- Feet. A pine post 4 in. sq. 5 ft. long in mound of stones marked  $\frac{10}{1041}$ .  
Thence  $N 41^{\circ} 35' E$   
Var  $12^{\circ} 35' East$
600. To cor. Tro. 11.  
A pine post 4 in. sq. 5 ft. long in mound of stones marked  $\frac{11}{1041}$ .  
Thence  $N 48^{\circ} 25' W$   
Var  $12^{\circ} 35' East$
- 667.2 Intersect line 4-1 Number 1. Lode  
 $N 57^{\circ} 20' E$  214.5 ft. from cor. No. 4.
- 1458.6 Intersect line 4-3. Number 1. Lode  
 $N 32^{\circ} 40' W$  761.4 ft from cor. Tro 4.
1500. To cor. Tro. 12.  
A pine post 4 in. sq. 5 ft. long in mound of stone marked  $\frac{12}{1041}$ .  
Thence  $S 41^{\circ} 35' W$   
Var  $12^{\circ} 35' East$ .
300. Intersect line 5-8. Number 2 Lode  
 $S 57^{\circ} 20' W$  300 ft. from cor. No. 5.
600. To cor. Tro. 9. and place of beginning.

### Nina Lode.

- Beginning at cor. Tro. 13.  
A pine post 4 in. sq. 5 ft. long in mound of stones marked  $\frac{13}{1041}$ .  
Thence  $N 57^{\circ} 20' E$   
Var  $12^{\circ} 35' East$ .
460. To wash drains N. N. W.
600. To cor. No. 14.  
A pine post 4 in. sq. 5 ft. long in mound of stones marked  $\frac{14}{1041}$ .  
Thence  $N 32^{\circ} 40' W$   
Var  $12^{\circ} 35' East$ .
235. To wash drains westerly.
1500. To cor. Tro. 15.  
A pine post 4 in. sq. 5 ft. long in mound of stone, marked  $\frac{15}{1041}$ .

- Feet  
 Thence  $S 57^{\circ} 20' W$   
 $N 01^{\circ} 12' 35" East,$   
 600. To cor. No. 16.  
 A pine post 4 in. sq. 3 ft. long in mound  
 of stones marked  $\frac{16}{1041}$ .  
 Thence  $S 32^{\circ} 40' East$   
~~Var.  $12^{\circ} 35' East$~~   
 388. To cor. No. 2. Number. 1. lode.  
 978. To wash drains westerly,  
 1500. To cor. No. 13. and place of beginning.

### Area.

Total area of Number. 1. lode 20,661 Acres  
 conflict with Sand Carbonate  
 lode  $\{ claimed \}$  1,874 Acres.  
 Total area Number 2 lode 20,661 Acres  
 conflict with Sand Carbonate  
 lode  $\{ claimed \}$  .285 Acres,  
 Total area Sand Carbonate lode 20,661 Acres  
 Less conflicts with the  
 Number. 1. lode 1,874 acres  
 and Number. 2. lode .285 ..  
 Net area 18,502 Acres  
 Total Area Mine lode 20,661 Acres  
 Net area of lode claims 80,485 Acres

### Location

This group of claims is 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:

The discovery shaft, of the Number 1. lode. 4x6 ft. 160 ft. deep in hard rock, bears  $N 48^{\circ} 50' W$  955 ft. from cor. No. 1. at the bottom of which is a drift 4x7 ft. 183 ft. long bears  $N 50^{\circ} E$  running to develop the Trina lode.

value \$ 6860. —

A Tunnel 4x7 ft. 136 ft. long in rock, face of bears  $N 54^{\circ} 24' W$  350 ft. from cor. No. 1.

value \$ 2050. —

The discovery shaft, Number 2. lode 4x6 ft. 25 ft. deep in rock. bears  $N 71^{\circ} 52' W$  482 ft. from cor. No. 5.

value \$ 250.

A Tunnel 4x7 ft. 25 ft. long in rock, face of bears  $N 76^{\circ} 15' W$  522 ft. from cor. No. 5.

A Tunnel 4x7 ft. 25 ft. long in rock bears  $N 92^{\circ} 0' E$  620 ft. from cor. No. 8.

value \$ 375

The discovery shaft of the Sand Carbonate lode 4x6 ft. 12 ft. deep in rock. bears  $S 72^{\circ} 51' E$  670 ft. from cor. No. 9.

value \$ 150. —

A Tunnel 4x7 ft. 25 ft. long in rock. bears  $S 89^{\circ} 24' E$  460 ft. from cor. No. 9.

value \$ 375. —



The discovery shaft of the Trina  
 4x6 ft. 6ft. deep, bears from cor No. 14.  
 S 85° 15' W 335 ft. value of shaft \$50.00  
 A shaft 4x6 ft. 6ft deep, bears from cor  
 No 15. S 29° 15' W 332 ft.  
 value of shaft \$50.00  
 A shaft. 4x6 ft 10ft. deep, bears from  
 cor. No 13. N 23° 12' E. 830. ft.  
 value \$100.

### 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 meridian as determined by  
 solar observations.

The distances were measured  
 with a 100ft steel tape.

A. G. Howe

U. S. Deputy Mineral Surveyor

Jonestone,  
 Sept 17<sup>th</sup> 92.

**Affidavit of Five Hundred Dollars Improvements.**

We, W. H. Moore and A. J. Fifth

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the  
Mine Number 1 Sand Carbonate <sup>Number 2</sup> and 2 mining claims situated in  
Aravaipa Mining District, Graham County,

Arizona Territory, for which Aravaipa Mining Company  
John F. Blandy Atty

has 3 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

A. J. Fifth

TERRITORY OF ARIZONA,  
County of Graham } ss.

SWORN to and subscribed before me, this 18<sup>th</sup> day

of July 1892

A. G. Howe  
Notary Public.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by H. C. 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 Nina Number 1 Sand Carbonate and Number 2 Lodes  
 and showing the respective capacities in which they acted.

W. H. Moore, Chairman.  
 \_\_\_\_\_, Chairman.  
A. J. Firth, Axman.  
Alvan W. Howe, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, W. H. Moore A. J. Firth  
 and Alvan W. Howe, do solemnly swear that we assisted \_\_\_\_\_  
H. C. Howe, United States Deputy Mineral Surveyor, in marking the corners and  
 surveying the boundaries of the mining claim of Aravaipa Mining  
Company John A. Blandy Atty.  
 \_\_\_\_\_, known as the Nina Number 1  
Sand Carbonate and No. 2 Lodes, 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, Chairman.  
 \_\_\_\_\_, Chairman.  
A. J. Firth, Axman  
Alvan W. Howe, Flagman.

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

H. C. 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 11<sup>th</sup>, 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 Mfg. Mine Member 1. Sand Carbonate and No 2 Lodes situate in Aravaipa Mining District, Graham County, Arizona, in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. \_\_\_\_\_, and designated as Survey No. 1041, 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. Howe  
 U. S. Deputy Mineral Surveyor, before me James Reilly  
A Notary Public this 17<sup>th</sup>  
 day of August, 1892.

James Reilly  
Notary Public

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 East end of the Claim and upon which this notice is posted thence north 300 feet to a monument of stones, thence West 1500 feet to a monument of stones, thence South 300 feet to a monument of Stones being the center of the North end of claim, thence South 300 feet to a monument of Stones, thence East 1500 feet to a monument of stones, thence North 300 feet to place of beginning, This Claim is situated about five hundred yards West of Box Canon and to the left of the San Carlos trail, and shall be known as the Nina Mine. Located Jan 1st, 1890.

W C, Bidwell

Recorded at 9 A.M. Jan 8th, 1890. request of Wm Whelan  
E, Soto

Co Recorder  
By Fred M, Newell

Deputy.

Territory of Arizona.

S, S,

County of Graham

I H, J, Dowdle County Recorder in and for County and Territory as aforesaid do hereby certify that the foregoing is a full true and correct copy of the Nina Mine as the same appears of record in my office in Book 6, Page 277 Records of Mines.

In witness whereof I have hereunto set my hand and affixed my Official Seal at Solomonville on this 7th, 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 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 of the middle of said lead, lode or Vein, situate in the Aravaipai 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 Eastern end of the claim, and upon which this notice is posted, thence northerly 300 feet to a monument of stones, thence Westerly 1500 feet to a monument of stones thence Southerly 300 feet to a monument of stones being the center of the Western end of claim, thence Southerly 300 feet to a monument of stones thence Easterly 1500 feet to a monument of stones, thence Northerly 300 feet to the place of beginning.

This claim is situated about 1-4 of a mile West of Bal Canon and on same creek and one mile South of Arizona Mine and has been known as No 9 Mine and shall be known as the Number 1 Mine Located Jan 1st 1889.

Witness John P, Han, Locater

Chas, L, White.

Recorded at request of Chas L, White Jan 11th 1889 at 2 oclock A.M.

Edwardo Soto Co. Recorder.

By Ben M, Crawford . Deputy.

Territory of Arizona } S.S,  
County of Graham }

I H.J.Dawdle 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 Number 1 Mine as the same appears of Record in my office in Book 6 Page 23 Record of Mines.

In witness whereof I have hereunto set my hand and seal this the 7th day of May A.D. 1892.

H. J. Dawdle

County Recorder.



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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 hundred linear ft, along the course of this lead, lode or vein of mineral bearing quartz with 300 feet in width on each side of the middle of said, lead lode or vein situated 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 East end of the claim and upon which this notice is posted, thence <sup>(N 300 ft)</sup> 1500 ft, to a mon, of stones, thence South 300 feet to a mon, of stones, being the center of the West end of claim, thence South 300 feet to a mon, of stones, thence East 1500 feet to a mon, of stones; thence North 300 feet to the place of beginning.

This Claim is situated South of and adjoining the No 1 Mine; and shall be known as the No 2 Mine.

Located Jan 1st, 1889  
Witness John P, Han. Locator. Chas, L, White.

Recorded at request of Chas, L, White Jan 11th, 1889 at 9 o'clock A.M.  
Edwardo Soto Co Recorder.  
By Ben M, Crawford Deputy.

Territory of Arizona }  
County of Graham } S.S.

I H. J. Dawdle County Recorder in and for Graham County Arizona, do hereby Certify that the above and foregoing is a full true and correct Copy of the No 2 Mine as the same appears of Record in my office in Book 6, Page 24 Record of Mines, Records of Graham County Arizona.

In Witness whereof I have hereunto set my hand and affixed my official Seal at Solomonville this <sup>the</sup> 17th, day of May 1892.  
H. J. Dawdle  
County Recorder.





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 lode lead 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 Northerly 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 four hundred yards Southwesterly from Box canon and the old Buford Smelter and is the South extension of what was once known as the Carbonate Mine, and shall be known as the Sand Carbonate Mine.

Located Jan 1st, 1890,

Witness

John P, Han

Locator.

Howard Dunlap

C, E, Mc Cary

Recorded at 2 P.M. Jan 6, 1890. request of Howard Dunlap  
E. Soto Co, Recorder.

By Fred M. Newell. Deputy.

Territory of Arizona. } s. s.  
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 Sand Carbonate Mine as the same appears of Record in my office in Book 6, Pages 274, & 275 Record of Mines.

In Witness whereof I have hereunto set my hand and affixed my official seal at Solomonville This <sup>14</sup>th, day of May 1892,

H. J. Dawdle

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 26<sup>th</sup>, 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

*Arawaipe Mining*

*Company*

, known as the

*"Kia" Number One" Sand Carbonate" and "No. 2" Lodes.*

situate in

*Arawaipe*

mining district,

*Graham*

County,

*Arizona*

in Section \_\_\_\_\_,

Township No. \_\_\_\_\_,

Range No. \_\_\_\_\_

and \_\_\_\_\_,

designated as Survey No. *1041.*

executed by

*H. G. Howe*

, U. S. Deputy Mineral

Surveyor,

*July 15<sup>th</sup> to 18<sup>th</sup>*

, 18*92*,

under my instructions dated

*June 11<sup>th</sup>*

, 18*92*,

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. \_\_\_\_\_

*Papac Johnson*  
*Arizona*

U. S. Surveyor General for

o 6-1f2

SURVEY No 1041.

GILA, LAND DISTRICT.



SURVEYED JULY 15<sup>th</sup> to 18<sup>th</sup> 1892,  
 by H.G. Howe,  
 U.S. DEPUTY MINERAL SURVEYOR,  
 Scale 400 ft = 1 inch.