

MS -

0

2

4

0

8

(4-683.)

Mineral Survey No. 2408

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Mansfield Mining & Smelting Company.

KNOWN AS THE

"HORNET"

Wrightson Mining District,

Santa Cruz County, Arizona

Section , Township 21 S., Range 15 E. (unsurveyed)

Surveyed under instructions dated April 5th, 1907.

by Philip Contzen
U. S. Deputy Mineral Surveyor

Claim located (SEE LOCATION NOTICE) , 1

Survey commenced April 17 th, 1907.

Survey completed April 17 th, 1907.

6-103

Address;

Selim M. Franklin, Atty.,

Tucson, A. T.

*See report
area*

S U R V E Y N O . 2 4 0 8 .

HORNET LODE.

Beginning at Cor. No. 1, which is a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high.

Set a porphyry stone 40 x 18 x 12 ins., 20 ins. in the ground, and raise a mound of stone alongside.

Chisel cross (x) on top of stone for exact cor. point and H-1-2408 on S. E. face, whence

U. S. Loc. Mon. No. 2397 brs. S. $86^{\circ} 43' W.$ 6492.47 ft. dist.

A mesquite 12 ins. diam. blazed and scribed 1-2408 B T brs. N. $53^{\circ} 5' E.$ 50.1 ft. dist.

A mesquite 4 ins. diam. blazed and scribed 1-2408 B T brs. N. $47^{\circ} 53' W.$ 59.9 ft. dist.

Old location cor. brs. N. $31^{\circ} 36' W.$ 98 ft. dist.

Thence S. $31^{\circ} 36' E.$

Var. $12^{\circ} 40' E.$

.3 Cor. No. 2, identical with the W. end center, which is a porphyry stone 40 x 18 x 12 ins., set 20 ins. in the ground.

Chisel cross (x) on top of stone for exact cor. point and H-2-2408 on N. E. face, whence

A mesquite 12 ins. diam. blazed and scribed 2-2408 B T brs. N. $52^{\circ} 45' E.$ 50.2 ft. dist.

A mesquite 4 ins. diam. blazed and scribed 2-2408 B T brs. S. $47^{\circ} 50' W.$ 60.2 ft. dist.

Old location cor. brs. S. $31^{\circ} 36' E.$ 101 ft. dist.

Thence N. $84^{\circ} 18' E.$

Var. $12^{\circ} 40' E.$

200 Road, brs. N. E. and S. W.
1305 Road, brs. N. W. and S. E.
1431 Gulch, course S.
1451.82

Cor. No. 3, identical with the location, which is a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high.

Cor. falls on a limestone in place 2 x 2 x 3 ft. above the ground. Raise a mound of stone alongside.

Chisel cross (x) for exact cor. point and H-3-2408 on N. W. face, whence

A walnut tree 6 ins. diam. blazed and scribed 3-2408 B T brs. N. $40^{\circ} W.$ 31.7 ft. dist.

An oak 6 ins. diam. blazed and scribed 3-2408 B T brs. N. $82^{\circ} 15' W.$ 61.5 ft. dist.

Thence N. $31^{\circ} 36' W.$

Var. $12^{\circ} 40' E.$

120 Gulch, course S. E.
Line runs in gulch to E. end center.
300 E. end center, identical with the location, which is a mound of stone 3 ft, base, $2\frac{1}{2}$ ft. high.
600 Cor. No. 4, identical with the location, which is a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high.
Set a porphyry stone 30 x 18 x 12 ins., 15 ins. in the ground, and raise a mound of stone alongside.
Chisel stone H-4-2408 on S. W. face, whence
A cross (x) and 4-2408 B R chiseled on a porphyry boulder 2 x 3 x 3 ft. above the ground, brs. N. $50^{\circ} 44' E.$ 14.6 ft. dist.
A cross (x) and 4-2408 B R chiseled on a porphyry boulder 3 x 4 x 5 ft. above the ground, brs. N. $57^{\circ} W.$ 22 ft. dist.

Thence S. $43^{\circ} 15' W.$

Var. $12^{\circ} 40' E.$

150 Gulch, course S. E.
194 Cor. No. 5, which is a mound of stone 3 ft. base, $2\frac{1}{2}$

ft. high.

Cor. falls on a porphyry stone in place 2 x 2 x 3 ft. above the ground.

Chisel cross (x) for exact cor. point on top of stone and H-5-2408 on S. E. face, and raise a mound of stone alongside, whence

A cross (x) and 5-2408 B R chiseled on a porphyry boulder 2 x 2 x 2 ft. above the ground, brs. N. 78° W. 20 ft. dist.

A sycamore tree 20 ins, diam. blazed and scribed 5-2408 B T brs. N. 5° E. 60 ft. dist.

Thence S. 62° 43' W.
Var. 12° 40' E.

1122.34 Cor. No. 1, the place of beginning.

A R E A.

This claim contains 8.169 Acres.

L O C A T I O N.

This claim is located in the center of Tp. 21 S., R. 15 E., unsurveyed, Gila & Salt River Base & Meridian, Wrightson Mining District, Santa Cruz County, Arizona.

A D J O I N I N G C L A I M S.

This claim is bounded on the South by the Has Been Lode, (unsurveyed); on the West by the Contention Lode, Survey No. 2397; On the North by the Mulligan and Automobile Shoot Lodes (unsurveyed).

C O U R S E O F V E I N.

The presumed course of the vein of this claim is from the W. end ^{line} center to the E. end center, N. 72° 45' E. 1348.32 ft. dist.

E X P E N D I T U R E O F F I V E H U N D R E D D O L L A R S.

I hereby certify that the value of the labor and improvements upon this claim placed thereon by the claimant and its grantors, is not less than \$500.00 and that said improvements consist of the following;

From the E. end center;

Discovery shaft No. 1, 4x6x5 ft. deep.
brs. S 72° 43' W 70 ft. dist. Value \$ 50.00

Cut No. 2, 4 x 6 ft., 15 ft. long, brs. S. 47° 30'
W. 143 ft. dist. Value \$100.00

Tunnel No. 3, 4 x 6 ft., 20 ft. long, course S. W.
brs. N. 72° W. 233 ft. dist. Value \$150.00

Other Improvements .

From E. end center;

N. E. cor. of boarding house, 20 ft. wide, 121.2
ft. long, brs. S. 87° 30' W. 275 ft. dist.

N. E. cor. of stable 20 x 40 ft., brs. S. 28° 30'
W. 230 ft. dist.

I N S T R U M E N T.

This survey was made with a Young & Sons light mountain transit with solar attachment. The courses were deflected from the true meridian as determined by

direct solar observations, and checked on the lines of Survey No. 2397, which agreed. The distances were measured with a one hundred foot steel tape.

Philip Contzen
U. S. Deputy Mineral Surveyor.

*Philip Contzen
U. S. Deputy Mineral Surveyor*

//
//

14

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Philip Contzen
 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 Mansfield
Mining & Smelting Company
 known as the Hornet
 and showing the respective capacities in which they acted.

- Will Crouch, Chainman.
- E. L. Slataper, Chainman.
- Fred Smith, Axman.
- George Stevens, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Will Crouch, E. L. Slataper, Fred Smith,
 and George Stevens, do solemnly swear that we assisted Philip
Contzen, United States Deputy Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Mansfield Mining & Smelting Company
 known as the Hornet
 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 Crouch, Chainman.
- E. L. Slataper, Chainman.
- Fred. Smith, Axman.
- George Stevens, Flagman.

Subscribed and sworn to by the above-named persons before me this 18th

day of April, 1907

H. G. Power
 Notary Public, Pima County, Arizona Territory.
 My Commission Expires April 27th, 1908.

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Philip Contzen, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 5th, 1907, 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 Mansfield Mining & Smelting Company, known as the H O R N E T, situate in Wrightson Mining District, Santa Cruz County, Arizona, in Section, Township No. 21 S., Range No. 15 E. (unsurveyed), and designated as Survey No. 2408, 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 its 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.

Philip Contzen
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Philip Contzen,
U. S. Deputy Mineral Surveyor, before me W. G. Power
this 18th
day of April, 1907

W. G. Power
Notary Public, Pima County, Arizona Territory.
My Commission Expires April 27th, 1908.

NOTICE OF LOCATION

NOTICE is hereby given that the HORNET mining claim was located by A. B. Richmond on the 11th day of August, 1906, for mining purposes. Said claim is 1500 feet in length along this vein or deposit of mineral bearing rock in place and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim. The general course of this claim is easterly and westerly and it is situated in the Wrightson Mining District, Santa Cruz County, Arizona, about eight miles northwesterly from Patagonia on Temporal Creek about 1500 feet above the Barnett iron house. This claim is the west extension of the Wasp mine and runs west to the east end line of the A. C. Sweet mine.

This claim runs from the discovery monument, or stake, on which this notice is posted 1500 feet in a westerly direction to the west center end monument or stake, and no feet in a easterly direction from the aforesaid location monument or stake, to the east center end monument or stake, and is also marked by two corner monuments or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

A. B. Richmond, Locator.

Territory of Arizona,)

ss.

Santa Cruz County.)

I, A. B. Richmond hereby certify that I am a locator of the within named claim and that the location work was performed thereon within 90 days from the date of location, to the full amount and in the manner required by law.

Witness my hand and seal this 14 day of August, 1906.

A. B. Richmond, (SEAL).

This claim is a relocation of an abandoned mining claim in part name unknown mining claim.

Filed and recorded at the request of A. B. Richmond, Aug. 15, A. D. 1906 at 9 A. M.

Phil Herold, County Recorder.

Territory of Arizona,)
County of Santa Cruz.)
ss.

I, Phil Herold County Recorder in and for the County and Territory aforesaid, do hereby certify that the foregoing is a full, true and correct copy of location notice of the HORNET mining claim, situated in the Wrightson Minin District, Santa Cruz County, Arizona, as the same appears of record in my office in Book 6 of Mining Locations at pages 569 and 570.

In witness whereof, I have hereunto set my hand and affixed my official seal this 12 day of February, A. D. 1907.

Phil Herold
County Recorder.

4-688.

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

Department of the Interior;

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona

June 27, 1907

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

Mansfield Mining & Smelting Company

known as the H O R N E T

situate in Wrightson

Mining District, Santa Cruz County, Arizona

in Section, Township No. 21 S., Range No. 15 E. unsur., and

designated as Survey No. 2408, 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 less than five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or its grantors, and that said improvements consist of, at time of survey, 1 shaft, 1 cut, 1 tunnel, value, \$300.00

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 S. Ingalls,

United States Surveyor-General for Arizona

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,

Phoenix, Arizona,

June 27, 1907

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

Mansfield Mining & Smelting Company

, known as the

H O R N E T

situate in Wrightson Mining District,

Santa Cruz

County,

Arizona

in Section _____, Township No. 21 S., Range No. 15 E. unsur.

designated as Survey No. 2408

executed by Philip Contzen, U. S. Deputy Mineral

Surveyor, April 17, 1907, under my instructions dated

April 5, 1907, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

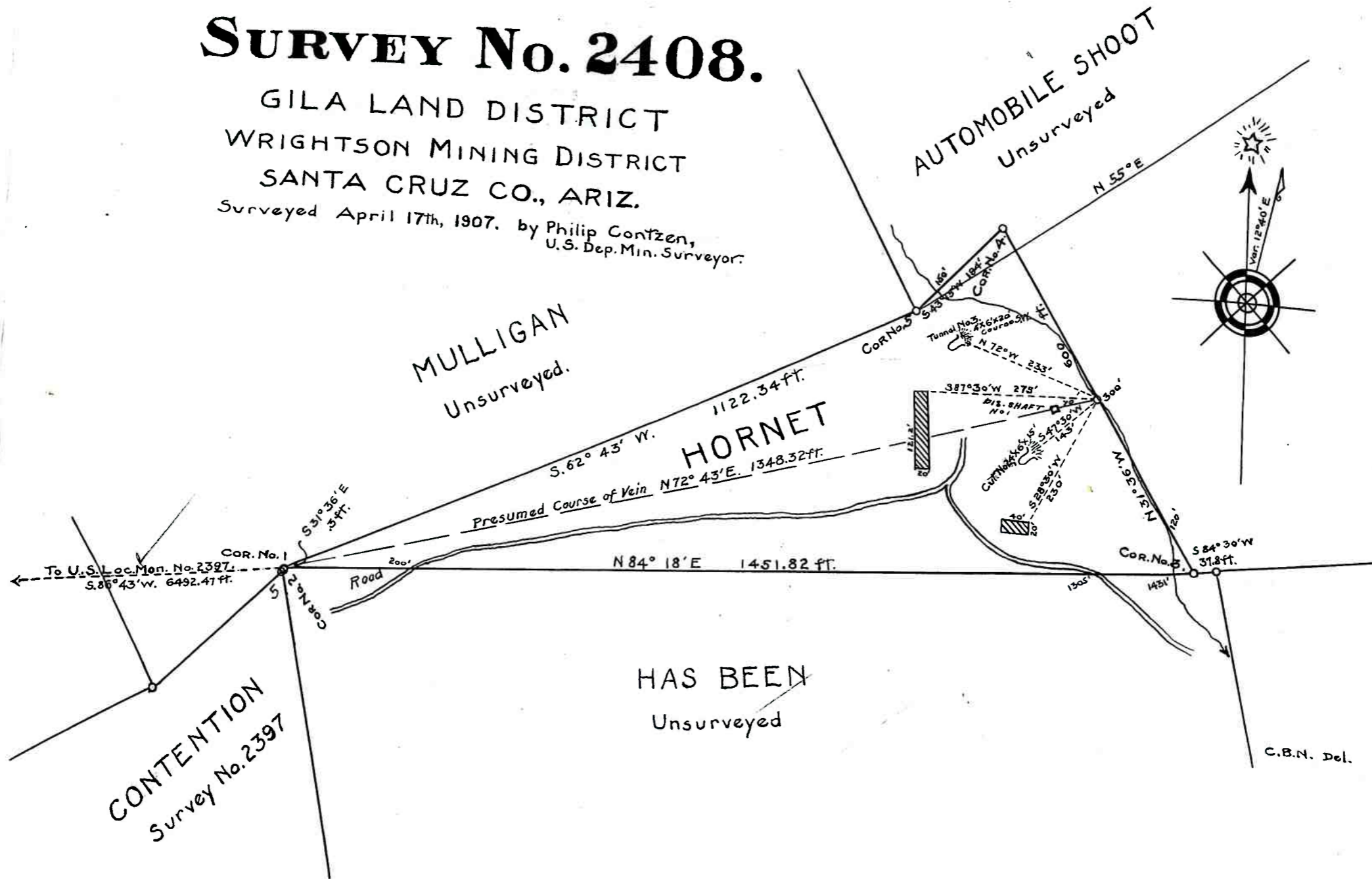
Frank S. Ingalls

U. S. Surveyor-General for Arizona

SURVEY No. 2408.

GILA LAND DISTRICT
WRIGHTSON MINING DISTRICT
SANTA CRUZ CO., ARIZ.

Surveyed April 17th, 1907. by Philip Contzen,
U.S. Dep. Min. Surveyor.



HAS BEEN
Unsurveyed

C.B.N. Del.

NOV 25 908

4-683.

MINERAL SURVEY No. 2408 Amended

LOT No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MANSFIELD MINING & SMELTING COMPANY

KNOWN AS THE

HORNET

WRIGHTSON Mining District,

SANTA CRUZ County, ARIZONA

Section *Approx*, Township 21 S., Range 15 E. (Unsurveyed)

Surveyed under instructions dated October 14, 1908

by Philip Contzen
U. S. Mineral Surveyor.

Claim located See Location Notice, 19

Survey commenced November 17, 1908

Survey completed November 17, 1908

8-822

Address of Claimants' Attorney:

Selim M. Franklin,
Tucson, Arizona.

Feet

SURVEY NO. 2408, AMENDED
HORNET LODE.

Beginning at Cor.No.1, which is a mound of stone 3 ft. base $2\frac{1}{2}$ ft. high, identical with N.W. Cor. of Location.

Set a porphyry stone 24 x 10 x 8 ins. 12 ins. in the ground, and raise a mound of stone alongside.

Chisel Cross (X) on top of stone for exact Cor. point and H-1-2408 AM; whence

U.S. Location Monument No. 2397 brs. S. $85^{\circ} 57' W.$, 6446.57 ft. dist.

A mesquite 4 ins. diam., blazed and scribed 1-2408 AM B T brs. N. $2^{\circ} E.$, 29.7 ft.

Sharp Peak, Patagonia Range, brs. S. $20^{\circ} 30' E.$

Thence S. $31^{\circ} 36' E.$

Var. $12^{\circ} 40' E.$

98. To Cor.No.1 of the original survey No.2408, and angle Cor. of Mulligan Lode, unsurveyed.
- 98.3 To Cor.No.2 of the original survey No.2408, identical with the West End Center, and N.W. Cor. Has Been Lode, Uns. Cors. Nos. 1 and 2 of the original survey, and Cor. No. 5 of the Contention Lode, Survey No. 2397, fall on the same stone, which is a porphyry 20 x 18 x 12 ins. above ground.
136. Road, brs. E. and W.
- 199.3 To Cor.No.2, which is a mound of stone 3 ft. base $2\frac{1}{2}$ ft. high, identical with the S.W. Cor. of the location.
Set a porphyry stone 24 x 10 x 8 ins., 12 ins. in the ground, with mound of stone alongside
Chisel stone with Cross (X) on top for exact corner point, and H-2-2408 AM; whence,
A mesquite 4 ins. diam., brs. S. $35^{\circ} 40' E.$, 138 ft. dist., which is blazed and scribed 2-2408 AM B T
Red Rock Peak brs. S. $41^{\circ} 30' E.$
- Thence N. $80^{\circ} 36' E.$
Var. $12^{\circ} 40' E.$
1280. Road, bears N.W. and S.E.
1390. Temporal Gulch, course S.
- 1410.6 To Cor.No.3, identical with the location and Cor.No.3 of the original survey, which is a limestone in place 2x2x3 ft above ground, with mound of stone alongside, and chiseled with Cross (X) on top and H-3-2408; whence,
Cor.No.2 of original survey brs. S. $84^{\circ} 18' W.$ 1451.82 ft. This Cor. is identical with N.W. Cor. of Has Been Lode, Uns. North side line of Has Been Lode, Uns., intersects Cor.No.3 of this survey.
A walnut tree 6 ins. diam., blazed and scribed 3-2408 B T brs. N. $40^{\circ} W.$ 31.7 ft. dist.
An oak 6 ins. diam., blazed and scribed 3-2408 B T brs. N. $82^{\circ} 15' W.$, 61.5 ft. dist.
- Thence N. $31^{\circ} 36' W.$
Var. $12^{\circ} 40' E.$
120. Temporal Gulch, course S.E.
Line runs in gulch to East End Center
300. East End Center, identical with the location, which is a mound of stone 3 ft. base $2\frac{1}{2}$ ft. high.
600. To Cor.No.4, identical with the location, which is a porphyry stone 15x18x12 ins. above ground, with mound of stone alongside, and chiseled with Cross (X) on top and H-4-2408; whence
Cor.No.5 of the original survey, No.2408, which is identical with the S.W. Cor. of Automobile Shoot Lode, Uns., and S.E. Cor. of the Mulligan Lode, Uns., brs. S. $43^{\circ} 15' W.$, 194 ft.
A Cross (X) and 4-2408 AM B R chiseled on a porphyry boulder 2 x 3 x 3 ft. above the ground brs. N. $50^{\circ} 44' E.$, 14.6 ft.

A Cross (X) and 4-2408 B R chiseled on a porphyry boulder 3x4x5 ft. above ground, brs. N. 57° W. 22 ft.
 Cor No. 4 is identical with angle Cor. of Automobile Shoot Lode, unsurveyed.

Thence S. 64° 10' W.
 Var. 12° 40' E.

- 160. Temporal Gulch, course S.E.
- 184.14 Intersect east end line of the Mulligan Lode, Uns., which is also identical with the west end line of the Automobile Shoot Lode, Uns., from which the S.E. Cor. of the Mulligan Lode, and the S.W. Cor. of the Automobile Shoot Lode br. S. 28° 15' E. 69.32 ft. This Cor. is also identical with Cor. No. 5 of the original survey No. 2408. From this Cor. No. 5, Cor. No. 1 of the original survey, No. 2408, which is also identical with angle Cor. of the Mulligan Lode, Uns., brs. S. 62° 43' W., 1122.34 ft.
- 1313.1 To Cor. No. 1, the place of beginning.

 AREA

| | |
|--|--------------|
| Total Area of Hornet Lode ----- | 11.985 Acres |
| Less ^{area in} conflict with Automobile Shoot Lode (unsurveyed) --- | 0.146 Acres |
| Less ^{area in} conflict with Mulligan Lode (unsurveyed) ----- | 2.156 " |
| Less ^{area in} conflict with Has Been Lode (unsurveyed) ----- | 1.514 " |
| | 3.816 " |
| Net Area of Hornet Lode ----- | 8.169 Acres |

LOCATION

This claim is located, approximately, in the center of Tp. 21 S., R. 15 E., unsurveyed, G. & S. R. B. & M., within the Wrightson Mining District, Coronado Forest Reserve, Santa Cruz County, Arizona.

ADJOINING CLAIMS

This claim is bounded on the south by the Has Been Lode, unsurveyed, Jean Robert Meechel, owner; on the west by the Contention Lode, Survey No. 2397, Mansfield Mining & Smelting Co., owner; on the north by the Mulligan Lode, unsurveyed, A. B. Richmond and Mansfield Mining & Smelting Co., owners, and Automobile Shoot Lode, unsurveyed, A. B. Richmond and D. A. Cummins, owners.

COURSE OF VEIN

The presumed course of the vein of this claim is from the W. end center to the E. end center, N. 72° 43' E., 1348.32 ft. dist.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I hereby certify that the value of the labor and improvements upon this claim, placed thereon by the claimant and its grantors, is not less than \$500.00, and that said improvements consist of

the following:

From the East End Center:

- N^o1 Discovery shaft 4 x 6 ft., 40 ft. deep, brs. S. 72° 43' W., 70 ft. dist. Value \$250.00
- N^o2 Tunnel 4 x 6 ft., 15 ft. long, brs. S. 47° 30' W., 143 ft. dist. Value \$100.00
- N^o3 Tunnel 4 x 6 ft., 20 ft. long, course S.W., brs. N. 72° W., 233 ft. dist. Value \$150.00

From Cor. No. 4:

- N^o4 Shaft 4 x 6 ft., 80 ft. deep, brs. S. 43° W., 294 ft. dist. Value \$500.00

OTHER IMPROVEMENTS

From East End Center:

- N.E. Cor. of boarding house, 20 ft. wide, 121.2 ft. long, brs. S. 87° 30' W., 275 ft. dist.
- N.E. Cor. of stable, 20 x 40 ft., brs. S. 28° 30' W., 230 ft. dist.

INSTRUMENT

This survey was made with a Young & Sons light mountain transit with solar attachment. The courses were deflected from the true meridian as determined by direct solar observations, and checked on the lines of Survey No. 2397, which agreed. The distances were measured with a one-hundred-foot steel tape.

NOTE: I obliterated markings on original corners Numbers One (1) and Two (2) and Number Five (5), Survey No. 2408, and bearing trees pertaining to those corners.

Philip Contzen

U. S. Deputy Mineral Surveyor.

MINERAL SURVEY NO. 2408.

SUPPLEMENTAL REPORT OF IMPROVEMENTS MADE AFTER SURVEY
UPON THE HORNET LODE.

I hereby certify that not less than five hundred (\$500.00) dollars worth of labor and improvements has been expended upon the Hornet lode, by claimants or grantors, and that said improvements were made prior to the expiration of the period of publication of application for patent, and that said improvements consist of:

From ~~KNEXXXK~~ Corner No. 4:

Shaft No. 4, 4 x 6 ft., 80 ft. deep, bears from Cor. No. 4, S. 53° W., 294 feet.

Value, -----\$500.00

Dated August 15th, 1907.

Philip Conzen

U. S. Deputy Mineral Surveyor.

Subscribed to and sworn before me this 15th day of August, 1907.

W. G. Power

Notary Public, Pima County, Arizona Territory.
My Commission Expires April 27th, 1908.

Office of U. S. Surveyor General,

Phoenix, Arizona, September 10, 1907.

I, Frank S. Ingalls, U. S. Surveyor General for Arizona, hereby certify that not less than five hundred dollars' worth of labor has been expended or improved upon the Hornet lode, Survey No. 2408, and that no portion of said improvements credited to the Hornet lode has been credited to any other claim. A copy of the supplemental report of improvements made upon the Hornet lode, by Philip Contzen, U. S. Deputy Mineral Surveyor, dated August 15, 1907, is hereto attached.

Frank S. Ingalls
U. S. Surveyor General.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Philip Coutzen
 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 _____
Mansfield Mining and Smelting Co.
 known as the Hornet
 and showing the respective capacities in which they acted.

- Archie G. Porter....., Chainman.
- Manuel Salazar....., Chainman.
- Manuel Salazar....., Axman.
- Archie G. Porter....., Flagman.

FINAL OATHS OF ASSISTANTS.

We, Archie G. Porter and Manuel Salazar
 and _____, do solemnly swear that we assisted _____
Philip Coutzen United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Mansfield Mining and
Smelting Co.
 known as the Hornet
 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 instruc-
 tions furnished by the United States Surveyor-General for _____

- Archie G. Porter....., Chainman.
- Manuel Salazar....., Chainman.
- Manuel Salazar....., Axman.
- Archie G. Porter....., Flagman.

Subscribed and sworn to by the above-named persons before me this 17th
 day of November, 1908

E. H. Evans
 Notary Public

Commission Expires Dec. 31, 1908

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Philip Cortzen, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated October 14, 1908, 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 Mansfield Mining and Smelting Company, known as the Hornet, situate in Wrightson Mining District, Santa Cruz County, Arizona, in Section Approx, Township No. 21 N, Range No. 15 E un surveyed, and designated as Survey No. 2408 Amended, 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 its 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.

Philip Cortzen
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Philip Cortzen
U. S. Mineral Surveyor, before me W. G. Power, a Notary
Public this 19th
day of November, 1908

W. G. Power
Notary Public, Pima County, Arizona Territory.
My Commission Expires May 16th, 1912.

Affidavit of Five Hundred Dollars Improvements.

We, William David Moffatt, and Archie G. Porter

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

situate in Wrightson Mining district, Santa Cruz County,

Arizona Territory, for which Mansfield Mining and Smelting Co.

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

William David Moffatt
Archie G. Porter

TERRITORY OF ARIZONA,
County of Santa Cruz } ss:

Sworn to and subscribed before me, this 17th
day of November, 1908



E. H. Evans
Notary Public

My Commission Expires Dec. 31, 1908
69861500-2-03

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

March 10, 1909.

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

Mansfield Mining & Smelting Co.

known as the Hornet

situate in Wrightson

Mining District, Santa Cruz County, Arizona

in Section Approx., Township No. 21 S., Range No. 15 E. Uns., and

designated as Survey No. 2403 Amended, 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 claimant or its grantors, and that said improvements consist of 2 shafts and 2 tunnels, total value \$1000.00

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 S. Ingalls,

United States Surveyor-General for Arizona.

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,

.....Phoenix, Arizona,.....

.....March 10,....., 1909.

I, U. S. Surveyor-General forDistrict of Arizona,.....

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of.....

.....Mansfield Mining & Smelting Co.

....., known as the

.....Hornet.....

situate inWrightson..... mining district,

.....Santa Cruz..... County,..... Arizona.....

in SectionApprox., Township No.21 S., Range No.15 E.Unsur.

....., designated as Survey No.2408 Amended.

executed byPhilip Contzen....., U. S. Deputy Mineral

Surveyor,November 17....., 1908, under my instructions dated

.....October 14....., 1908, have been critically examined and the necessary cor-

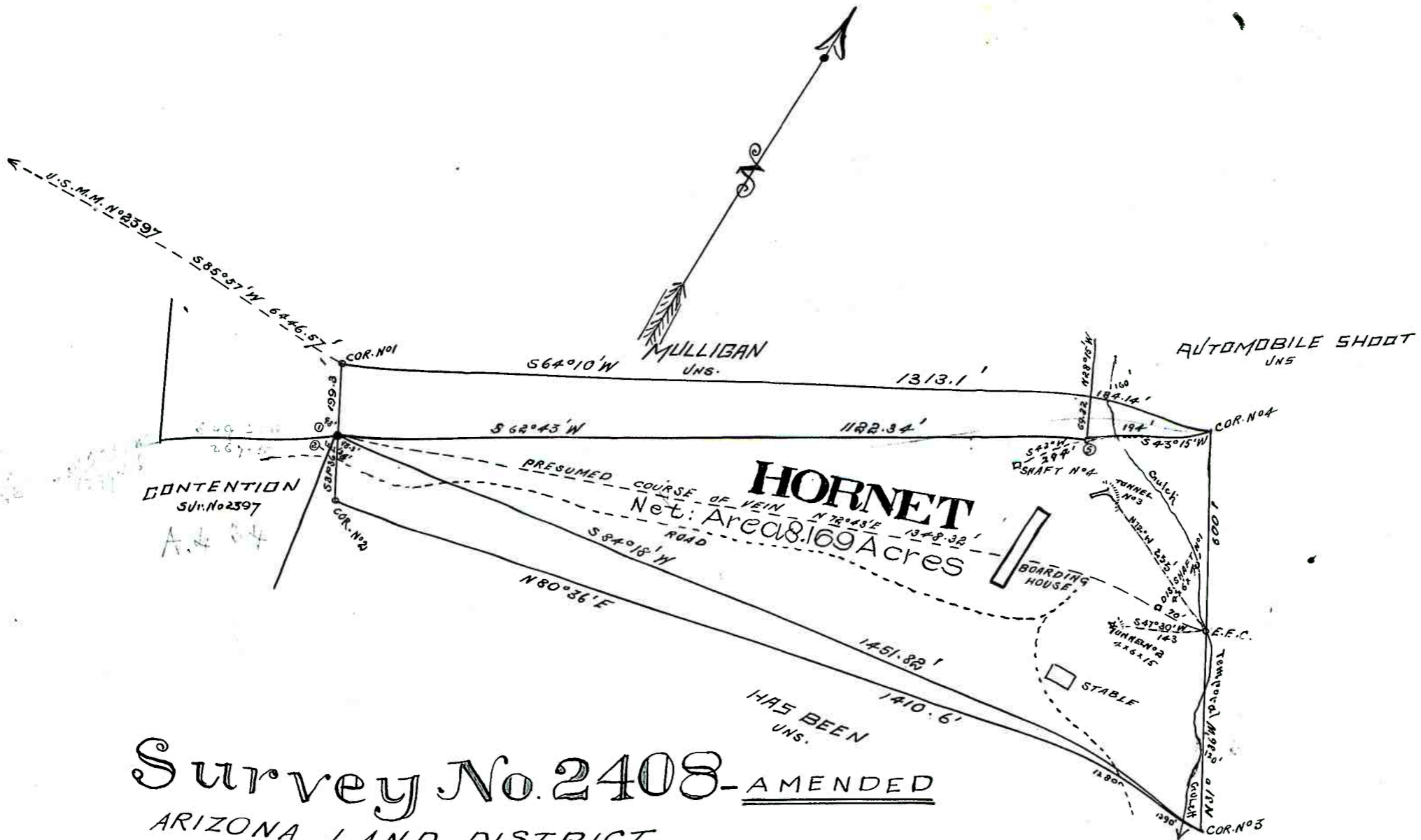
rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank D. Lyman

U. S. Surveyor-General forArizona.



Survey No. 2408 - AMENDED
ARIZONA LAND DISTRICT

Surveyed Nov. 17-1908
By Philip Contzen
U.S. Dep. Min. Surveyor