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H.S.I.

(4-683.)

Mineral Survey No. 2465

Lot No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Kelvin Calumet Copper Mining Company

KNOWN AS THE

Calumet, Granite, Black Warrior & Queen Seal
Mineral Creek Mining District.

Prinal County, Arizona

Section approx., Township 3 S, Range 14 E, U7567

Surveyed under instructions dated Nov 8th, 1907

*Jan 1st 1884
April 1st 1905
January 19-1904*
by W.P. Merritt
U. S. Deputy Mineral Surveyor

Claim located *see location notices 1*

Survey commenced January 17, 1908

Survey completed " 21, 1908

o 6-121

Address of Claimant
W.B. Twitchell Agt.
Ray, Arizona.

SURVEY No. 2465BLACK WARRIOR LODE.

Beginning at Cor.No.1

Identical with the loc.

A Quartzite stone 4X6X24 ins.set 12 ins.in the ground with mound of stones, chiseled B-W-1-2465. Whence:

U.S.L.M.No.1 brs. S 19°.03'W 5310.15 feet.

No bearings available. Loc. cor. mon. of stones 3x3 ft.

Thence N 17°40'W
Va. 14° E

457.39 Intersect N.W. side line of Sweepstake lode unsurveyed at S 43°.25'W 75 ft. from north cor. of Sweepstake lode.

601 Cor.No.2 Queen Lil lode of this sur.

1076 To Cor.No.2.

Identical with the loc.

Quartzite stone 12 X 14 X 30 ins. set 15 ins. in the ground with mound of stones chiseled B-W-2-2465.

Cor. No.1 Queen Lil lode of this sur. brs N 17°40'W 125 ft.

No bearings available. Loc. cor. mon. of stones 3x3 ft.

Thence S 83°.04'W
Va. 14° E

25.4 Cor.No.1 Calumet lode of this sur.

300 N.C. End.

480 To Cor.No.3

Identical with the loc. and with cor.No.4 Calumet lode of this sur. A Tufa stone 6X9X23 ins. set 12 ins in the ground with mound of stones chiseled B-W-3.C-4-2465. whence: X.B-W-3.C-4,2465 chiseled on bluff of rocks 6 ft. above the ground brs. S 6°.56'E 4 ft. No other bearings available. Loc. cor. mon. of stones 3 X 3 ft.

Thence S 11°.17'E
VA. 14°.E

1060.22 To Cor.No.4 Identical with the loc. at intersection of the N.W. side line of Sweepstake lode at S 43°.25'W 746.46 ft. from north corner of Sweepstake lode.

A Quartzite stone 6X12X24 ins. set 12 ins. in the ground, with mound of stones chiseled B-W-4-2465.

No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence N 83°.04'E
Va. 14°.E

300. S.C. End.
600 To Corner No. 1 the place of beginning.

QUEEN LIE LODE.

Beginning at Cor. No. 1 identical with the loc.
X-Q-L-1-2465 Chiseled on quartzite stone in place 12X24X6
inches above the ground, with mound of stones, whence:
U.S.L.M. No. 1 hrs. S 12°.52'W 6314.13 feet.
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence S 17°.40'E
Va. 14°.E

125 Cor. No. 2 Black Warrior lode of this survey.

300 W.C. End.

600 To Cor. No. 2 Identical with the loc.
A quartzite stone 6X7X24 ins. set 12 ins. in the ground
with mound of stones, chiseled Q-L-2-2465.
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence N 83°.04'E
Va. 14°.E

859.19 Intersect N.W. side line of Sleeper lode unsurveyed, at
S 28°.22'W 370.3 ft. from North corner of Sleeper lode

1500 To Cor. No. 3. Identical with the loc. at intersection of
the N.E. end line of Sleeper lode at S 61°.38'E 523 ft.
from the North corner of Sleeper lode.

A quartzite stone 6X8X24 ins. set 12 ins. in the ground
with mound of stones, chiseled Q-L-3-2465.
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence N 17°.40'W
Va. 14°.E

300 E.C. End.

600 To Cor. No. 4 identical with the loc. A quartzite stone
10X12X24 ins. set 12 ins. in the ground with mound of
stones, chiseled. Q-L-4-2465. No bearings available.
Loc. cor. mon. of stones 3X3 ft.

1500 To Cor.No.1 the place of beginning.

CALUMET LODGE.

Beginning at Cor.No.1 identical with the loc.
 X-C-1-2465 chiseled on a quartzite boulder in place
 18X18X14 inches above the ground with mound of stones.
 Whence: U.S.L.M.No.1 hrs. S 12° 53' W 8197.49 feet
 No bearings available. Loc. cor. mon. of stones 3X3 ft.

.21
 1500.21 To Cor.No.2 identical with the loc.

Thence N 5° 58' W
 Va. 14° E

A Quartzite stone 8X10X24 ins. set 12 ins. in the ground
 with mound of stones, chiseled C-2-2465. no bearings available.
 Loc. cor. mon. of stones. 3X3 ft. Cor.No.1 Granite lode of this
 sur. hrs. N 83° 04' E 55 ft.

300 N.C. End.

600 To Cor.No.3 identical with the loc.

Thence S 33° 04' W
 Va. 14° E

A Quartzite 8X10X26 ins. set 14 ins. in the ground, with
 mound of stones, chiseled C-3-2465. No bearings available.
 Loc. cor. mon. of stones 3X3 ft.

1504.77 To Cor.No.4. identical with the loc. and with cor.No.5
 Black Warrior lode of this sur. hereinbefore described.

Thence S 11° 31' E
 Va. 14° E

180 S.C. End.

Thence N 83° 04' E
 Va. 14° E

454.6 To Cor.No.1 the place of beginning.

GRANITE LODGE.

Beginning at cor.No.1 Identical with the loc.
 A Shist stone 8X10X24 ins. set 12 ins. in the ground with
 mound of stones chiseled G-1.2465. Whence:-
 U.S.L.M.No.1 hrs. S 9° 58' W 7648.03 feet.
 No bearings available. Loc. cor. mon. of stones 3X3 ft.

Survey No. 2465.

Thence N 6°.56'W
Va. 14°.E

132.27 Intersect N.end line of Bunker Hill lode unsurveyed at
N 75°.15'E 53.39 ft. from N.W. Cor. of Bunker Hill lode.
300 E.C. End.
600 To Cor. No. 2 identical with the loc.
A Quartzite stone 6X6X24 ins. set 12 ins. in the ground
with mound of stones, chiseled G-2-2465.
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence S 83°.04'W
Va. 14°.E

1500 To Cor. No. 3 Identical with the loc.
A Tufa stone 6X8X24 ins. set 12 ins. in the ground with
mound of stones, chiseled G-3-2465.
No bearings available. Loc. cor. mon. of stones 3X3 ft.

300 *w c e d*
600 Thence S 6°.56'E
Va. 14°.E
To Cor. No. 4. Identical with the loc.
A Tufa stone 6X8X24 ins. set 12 ins. in the ground with
mound of stones, chiseled G-4-2465 .
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence N 83°.04'E
Va. 14°.E

845 Cor. No. 3 Calumet lode of this sur.
1445 Cor. No. 2 Calumet lode of this sur. at intersection of the
west side line of Bunker Hill lode, ^{unsurveyed} at S 5°.58'E 125 ft.
from the N.W. Cor. of Bunker Hill lode.
1500 To cor. No. 1 the place of beginning
Location.
This claim is located on unsurveyed land approximately in
T 3.S.R 14.E Mineral Creek Mining District Pinal Co, Arizona.
Ledges.
Black Warrior Vein brs. from N.C. End. S 17°40'E 1076 ft.
Queen Lil " " " W.C. " N 83°.04'E 1500.ft.
Calumet " " " S.C. End. N 6°.56'W 1500.
Granite " " " E.C. End S 83°.04'W 1500 ft.

Adjoining Claims.

This claim is bounded on the North by U.S. Land, on the East by U.S. Land and Bunker Hill lode unsurveyed Wm. Souffrien claimant, on the South by U.S. Land and Sleeper and Sweepstake lodes unsurveyed Ray Copper Co. claimant. On the West by U.S. Land and Tom Payne lode unsurveyed Thomas Haley claimant.

Area.

Black Warrior total area... 13.105 Acres.

Less area in conflict with Sweepstake lode unsurveyed 2.959 acres.

Net area Black Warrior..... 10.146 acres.

Queen Lil total area..20.296 acres.

Less area in conflict with Sleeper lode unsurveyed.

(Ray Copper Co. claimant)..... 2.220 acres

Net area Queen Lil.....18.076 acres.

Calumet total and net area,..... 18.157 "

Granite total area20.661 acres.

Less area in conflict with Bunker Hill lode unsurveyed0.159 acres.

Net area Granite20.502 acres...

Total net area of lode claim. 66.881 acres.

Improvements.

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 for each lode and that said improvements consist of:

Black Warrior lode.

No. 1 dis. cut which brs. from N.C. End S 17°.40'E 110 ft 4X20 X 12 ft ...value \$50.00

No. 2 cut which brs. from N.C. End S 35°.E 319 ft.

4X18X12. v.....value .. \$50.00

Value ^{interest in} ~~of~~ common improvements credited to this lode \$620.00 Queen Lil lode.

No. 1 dis. shaft which brs. from W.C. End N 83°.04'E 375.

ft. 5X8X 96 ft. deep.....value \$1440.00

Value ^{interest in} ~~of~~ common improvements credited to this lode \$620.00 Calumet lode

No. 1 dis. shaft which brs from S.C. End N 6°.56'W

435 ft. 4X6X30 ft. value\$300.00

No 2 shaft which hrs from cor. No. 4 N 4° 20' E 770 ft
4X6X26 ft. value\$260.00

No. 3 shaft which hrs. from cor No. 4 N 1° 30' E 800 ft
5X8X76 ft. value \$1040.00

No. 4 tunnel which hrs from cor. No. 4 N 15° 30' E 431 ft.
5X7X 150 ft. course N 7° W ... Value. \$1050.00

Handwritten: Value & interest in common improvements credited to this lode \$620.00
Granite lode

No. 1 dis. cut which hrs from T. S. End S 85° 04' W 125 ft.
4X18X 12 ft. value ...\$50.00

No. 2 cut which hrs. from E. W. X. M. cor No. 2 S 61° 30' W
650 ft. 5X20 X12 ft. value \$50.00

Handwritten: Value & interest in common improvements credited to this lode, \$620.00
These claims as a group, shaft No. 1 on the Queen Lil and Shaft No. 3 on the Calumet lodes are the basis of a common improvement and are to be connected when they have reached proper depth by a system of drifts and cross-cuts, thereby forming one system of underground workings from which all the claims of this group are to be developed. One fourth of the work in shaft No. 1 Queen Lil and one fourth of the work in shaft No. 3 Calumet lode is credited to each of the lodes in this claim.

Instrument.

This survey was made with a Young & Sons Solar transit. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with 100-ft. and 500-ft. steel tapes.

It is the intention of the claimant to work these claims as a group, shaft No. 1 on the Queen Lil and Shaft No. 3 on the Calumet lodes are the basis of a common improvement and are to be connected when they have reached proper depth by a system of drifts and cross-cuts, thereby forming one system of underground workings from which all the claims of this group are to be developed. One fourth of the work in shaft No. 1 Queen Lil and one fourth of the work in shaft No. 3 Calumet lode is credited to each of the lodes in this claim.

William H. Merritt
U.S. Dep. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by William H. Merritt

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

Kelvin Calumet Copper Mining Company
known as the Calumet, Granite, Black Warrior & Queen Hill
and showing the respective capacities in which they acted.

- R. A. Merritt, Chairman.
-, Chairman.
-, Axman.
-, Flagman.

FINAL OATHS OF ASSISTANTS.

I, R. A. Merritt
do solemnly swear that we assisted William H. Merritt, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Kelvin Calumet Copper Mining Company
known as the Calumet, Granite, Black Warrior & Queen Hill
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

- R. A. Merritt, Chairman.
-, Chairman.
-, Axman.
-, Flagman.

Subscribed and sworn to by the above-named persons before me this 27th
day of January, 1908.

My Commission Expires
July 7th 1909

W. H. Merritt
Notary Public

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, William H. Merritt, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Nov 8 - 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 Kelvin Calumet Copper Mining Company, known as the Calumet, Granite, Black Womies & Queen Hill, situate in Mineral Creek Mining District, Pinal County, Arizona, in Section Approx, Township No. 3.S., Range No. 14 E. Unsur., and designated as Survey No. 2465, 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.

William H. Merritt
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said William H. Merritt
U. S. Deputy Mineral Surveyor, before me a Notary Public in and
for Yavapai County, Arizona this fourteenth
day of February, A. D. 1908.

Ziba O. Brown
Notary Public

my Commission
Expires Nov. 1 - 1909.

Affidavit of Five Hundred Dollars Improvements.

We, P. A. Kierham, and G. O. Nolan

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Calumet, Granite + Black Warrior + Queen Hill mining claim,

situate in Mineral Creek Mining district, Pinal County,

Arizona Territory, for which Kelvin Calumet Copper Mining Company

has^s 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 ~~the~~^{its} grantors exceed Five Hundred Dollars in value, ^{for each lode.} and further that we are not personally interested in said mine.

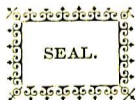
P. A. Kierham

G. O. Nolan

TERRITORY OF ARIZONA, }
County of Yavapai } ss:

Sworn to and subscribed before me, this 27th

day of January, 1908.



W. J. Merritt
Notary Public

14396b400-8-04

My Comm. exp. July 7-1909

LOCATION NOTICE.

Notice is hereby given that the undersigned locate and clames 1500 feet in length along the coarce of this vein, lead, or load of Copper-baring rock together* with 300 feet on each side of the Vein: and is described as follows to-wit:

Commencing at a monument of stones situated about (10) feet North of what is known as the Kestone Shaft and running from said monument in a Northerly direction 1000 feet; and from said monument in a Southerly direction 500 feet.

This Clame is marked on its corners by monuments of stones and is covering the same ground that was located under the name of the Kestone Mine.

It is situated about half a mile East of Mineral Creek & about half a mile South of the Rustler of the Wes Mine. In Mineral Creek district, Pinal Co. Arizona Territory and shall be known as the Calumet Mine.

Located this the first day of January 1886.

Thomas Haley

D. W. Mc Callen

Filed and recorded at request of D. W. Mc Callen, January 3rd A. D. 1886 at 9 O'Clock A. M.

Hinson Thomas Recorder

By V. Thomas Deputy

Territory of Arizona

ss

County of Pinal

I, G. F. Watson, County Recorder, in and for the County of Pinal, Territory of Arizona, do certify that the above copy of the location notice of the " Calumet" is a full, true and correct copy of the original as the same appears of record (Pinal County Records) in Book -No 9 of Mines at page- 578, 579 thereof.

Witness my hand and seal of office this 28th day of August, A. D. 1907

Recorder... *G. F. Watson*

NOTICE OF MINING LOCATION.

12

QUARTZ CLAIM.

TO ALL WHOM IT MAY CONCERN:

This mining claim the name of which is the GRANITE 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 Frank Marion & Don L. Pugh, by the undersigned, on the **First** day of April 1905.

The length of this claim is 1500 (fifteen hundred) feet and we claim 900 (nine hundred) feet in a Westerly direction and 600 (six hundred) feet in a Easterly direction from the center of the discovery shaft at which this notice is posted, lengthwise of the claim together with 300 (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 East to the West.

The Claim is situated and located in the Mineral Creek Mining District in Pinal County, in the Territory of Arizona, ^{about} one mile in a North Easterly direction from the Ray Mine & about one half mile from Mineral Creek.

The surface boundaries of the claim are marked upon the ground as follows:

Beginning at the east center end post or monument at a point in an Easterly direction 600 feet from the discovery shaft (at which this notice is posted \emptyset being in the center of the east end line of said claim ; thence 300 feet to a post or monument, being the North east corner of said claim; thence 1500 feet to a post or monument being at the North West corner of said claim : thence 300 feet to a post or monument, being the center of the west end of said claim ; thence 300 feet to a post or monument. being at the south west corner of said claim; thence 1500 feet to a post or monument at the South East corner of said claim ; thence 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 to Codify and Revise the Laws of the Territory of Arizona, Approved March 16th, 1901.

Dated and posted on the ground this First day of April 1905.

Frank Marion

Don L. Pugh

Filed and recorded at the request of Don L. Pugh, on the 12 day of June 1905 at 3 P. M.

E. B. Devine Recorder

By N. N. Bartleson Deputy.

Territory of Arizona

ss

County of Pinal

I, G. F. Watson, County Recorder, in and for the County of Pinal, Territory of Arizona, do hereby certify that this is a full, true, and correct copy of the " GRANITE" Mining Claim as the same appears of record in Book- 22 of Mines at pages 453, 454, 455, thereof

Witness my hand and seal of office this 3rd day of September A. D. 1907 at---

Recorder... *G. F. Watson*

NOTICE OF LOCATION.

Notice is hereby given that the BLACK WARRIOR Mining Claim was located by W. B. Twitchell and Edwin W. Dunlap on this 19th day of Jany. 1906 for mining purposes.

Said claim is 1500 feet in length along this vein or deposit or 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 Northerly and Southerly and it is situated in the Mineral Creek Mining District, Pinal County, Arizona, about one mile North east from the Big Lead M. and Smeltg~~g~~. Co's Globe Claims.

This claim runs from the discovery monument, or stake, upon which this notice is posted, 500 feet in a northerly direction to the North center end monument or stake and 1000 feet in a southerly direction from the aforesaid location monument . or stake, to the South 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.

W. B. Twitchell

Edwin W. Dunlap

Witness

Loca tor.

D. W. Mc Callen

This claim is a re-location of an abandoned mining claim known as the Orphan Girl.

Filed and recorded at request of W. B. Twitchell on Jany. 27, 1906 at 4 P. M.

E. B. Devine Recorder

By N. N. Bartleson Deputy.

Territory of Arizona
County of Pinal

SS

I, G. F. Watson, County Recorder, in and for
the County of Pinal, Territory of Arizona, do hereby certify
that this is a full, true, and correct copy of the "BLACK
WARRIOR " Mining Claim as the same appears of record in
Book- No 23 of Mines at pages 350 and 351 thereof
Witness my hand and seal of office this 3rd day of September
A. D. 1907.

Recorder..... *G.F. Watson*

NOTICE OF MINING LOCATION.

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This mining claim the name of which is the " QUEEN LIL 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 purposes of exploration and purchase by W. B. Twitchell and Edwin W. Dunlap. the undersigned on the 19th day of Jany. 1906.

The length of this claim is 1500 feet, and we claim five hundred (500) feet in a westerly direction and one thousand (1000) feet in an easterly direction from the center of the discovery shaft, at which this notice is posted, length wise of the claim , together with three hundred (300) feet in width of the surface grounds on each side of the center of said claim.

The genreal course of the lode deposit and premises is from the East to the West.

The claim is situated and located in the Mineral Creek Mining District in Pinal County, in the Territory of Arizona, about one mile in a North Easterly direction from the Big Lead Mining and Smelting Co's Globe claim.

The surface boundaries of the claim are marked upon the ground as follows:

Beginning at the west end center, a point in a westerly direction 500 feet from the discovery shaft (at which this notice is posted) being in the center of the west end line of said claim: thence 300 feet to a monument of stone, being the north west corner of said claim: thence 1500 feet to a monument being at the North East corner of said claim: thence 300 feet to a monument at the center of the east end of said claim: thence south 300 feet to a monument being at the South East corner of said claim: thence 1500 feet to a monument at the South west corner of said claim ; thence N. 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 17 the General Assembly of Arizona, entitled " An Act to revise and codify the Laws of the Territory of Arizona, approved March 16, 1901.

Dated and posted on the ground this 19th day of Jany 1906.

W. B. Twitchell

Edwin W. Dunlap

Witness

D. W. Mc Callen

Filed and recorded at request of W. B. Twitchell on Jan 27, 1906 at 4 P. M.

E. B. Devine Recorder.

By N. W. Bartleson Deputy.

Territory of Arizona

ss

County of Pinal

I, G. F. Watson, County Recorder, in and for the County of Pinal, Territory of Arizona, do hereby Certify that this is a full, true, and correct copy of the " QUEEN LIL" Mining Claim , as the same appears of record in Book- 23 of Mines at pages 348, 349, 350 thereof.

Witness my hand and seal of office this 3rd day of September A. D. 1907

Recorder.....*G. F. Watson*.....

(4-688.)

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

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona

May 20, 1908.

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 Kelvin Calumet Copper Mining Company, known as the Calumet, Granite, Black Warrior & Queen Lil, situate in Mineral Creek Mining District, Pinal County, Arizona, in Section approx., Township No. 3 S., Range No. 14 E., Unsur., and designated as Survey No. 2465, 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 for each of improvements made upon said mining claim^s by claimant or its grantors, and that said improvements consist of 4 cuts, 1 tunnel and 4 shafts, total value \$4290.00. Shaft No. 1 on the Queen Lil lode, and Shaft No. 3 on the Calumet lode, value \$2480, form the basis of a common improvement for the development of the four claims of this survey, and a $\frac{1}{4}$ interest therein, valued at \$620, is properly credited to each claim.

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

May 20, 1908.

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

Kelvin Calumet Copper Mining Company

, known as the

Calumet, Granite, Black Warrior & Queen Lil

situate in Mineral Creek Mining District,

Pinal County, Arizona

in Section APPROX., Township No. 3 S., Range No. 14 E., Unsur.

, designated as Survey No. 2465

executed by W. H. Merritt, U. S. Deputy Mineral

Surveyor, January 17, - 21, 1908, under my instructions dated

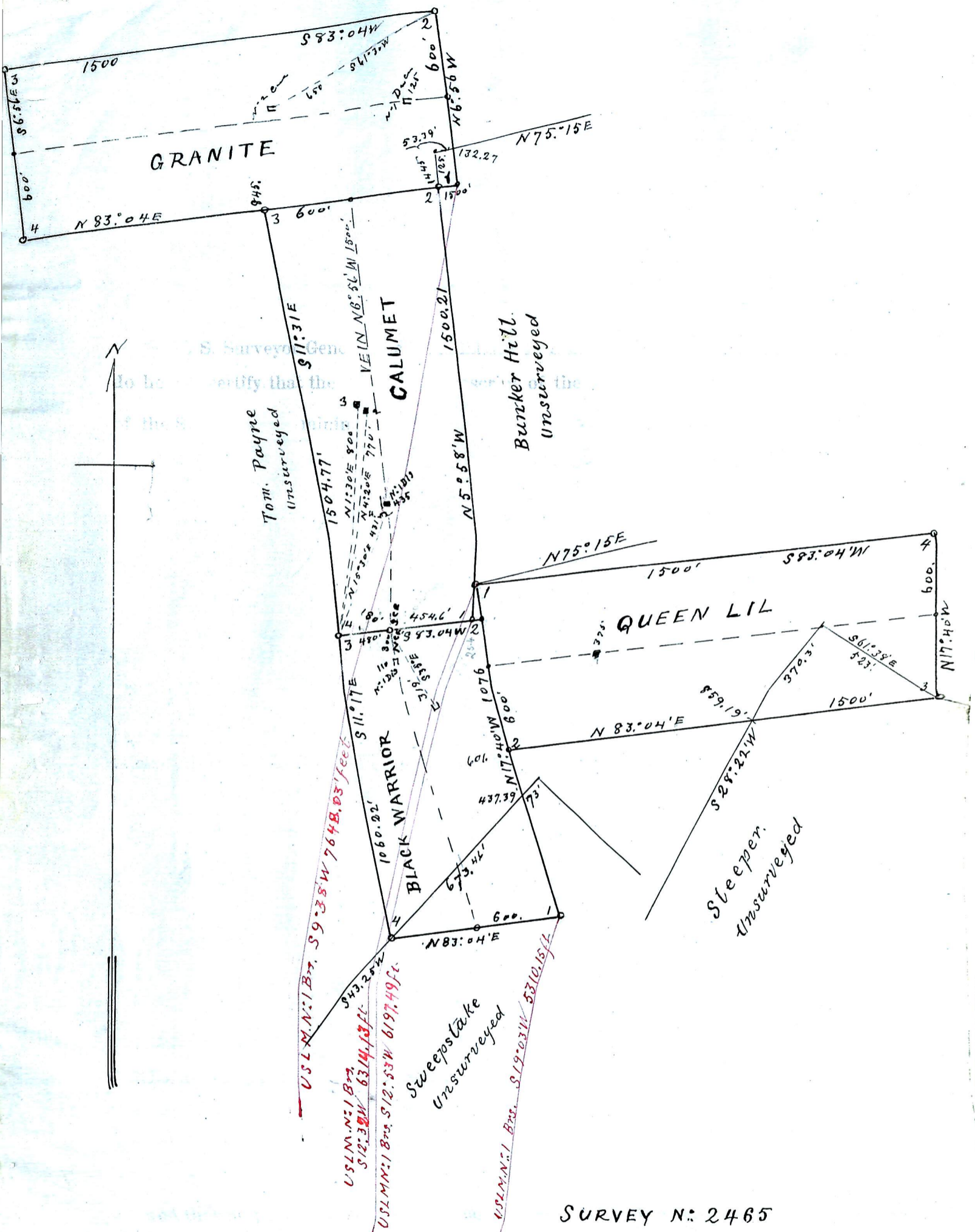
November 8, 1907, have been critically examined and the necessary

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.

Frank S. Ingalls
U. S. Surveyor-General for Arizona



SURVEY N.: 2465
 Scale 400 feet to One Inch