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FEB 20 1908

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(4-683.)

Mineral Survey No. 2466

Lot No. \_\_\_\_\_

Arizona Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Kelvin Calumet Copper Mining Company

KNOWN AS THE

Little Frank, Copper Contact, Tract No. 27 Tract

Mineral Creek Mining District.

Prine County, Arizona

Section Approx., Township 38., Range 14 E. Unsur.

Surveyed under instructions dated Nov 8 -, 1907

by William H. Merritt,

U. S. Deputy Mineral Surveyor

Claim located Oct 15 - 1898  
March 18 - 1897  
Nov 19 - 1904  
Nov 15 - 1904 , 1

Survey commenced January 22 -, 1908

Survey completed " 26 -, 1908

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

Beginning at Cor.No.1

Identical with the location.

Quartzite stone 6X8X24 ins.set 12 ins.in the ground with mound of stones, chiseled F-1-2466 Whence :-

U.S.L.M.No.1 brs.S 29°.00'W 2045.45 ft.

Cor.No.1 Little Frank lode of this sur.brs.S 52°.53'E

445.ft. No bearings available.Loc.cor.mon.of stones  
3 X 3 feet.

Thence N 73°31'E  
Va.14°E

603.21 Intersect line 1-2 Copper Contact lode of this sur.at  
S 34°.33'E 107.74 ft.from Cor.No.2

749.89 Intersect line 4-1 Little Frank lode of this sur.at  
N 37°.07'E 603.58 ft.from cor No.1

853.68 To Cor.No.2. Identical with the loc.

Limestone 10 X 12 X 24 ins.set 12 ins.in the ground  
with mound of stones, chiseled F-2-2466.No bearings  
available .Loc.cor.mon.of stones 3X3 feet.

Thence S 11°.10'E  
Va.14°E

300 F.C.End.

600 To Cor.No.3

Identical with the loc.and at the intersection of line  
1-2 Copper Contact lode of this sur.at S 34°.33'E  
735.54 ft.from cor No.1 and at intersection of line  
2-3 sur.No.1244 Cairo lode.at s 78°.50'W 96.5 ft.from cor  
No.3.Porphry stone chiseled C-3-X1244 with mound of stones.  
A Quartzite stone 4 X12X 24 ins.set 12 ins.in the ground  
with mound of stones chiseled F-3-2466 .  
No bearings available. Loc.cor mon.of stones 3X3 ft.

Thence S 78°.50'W  
Va 14°E

503.5 Cor.No.2 Cairo & 3 of Poorman sur, No.1244 a mound of  
stones

850 To Cor.No.4

Identical with the loc A Quartzite <sup>stone</sup> 4X6X24 wet 12 ins.in  
the ground

with mound of stones chiseled F-4-2466  
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence N 11°.10'W  
Va. 14°.E

300 W.C. End.  
521 To Cor. No. 1 the place of beginning.

LITTLE FRANK LODGE.

Beginning at cor. No. 1.

Identical with the loc. A Quartzite <sup>stone</sup> 4X10X24 ins. set 12 ins. in the ground, with mound of stones, chiseled F-1-2466 Whence :-

U.S.L.M. No. 1 hrs. S 41°.57'W 2033.8 feet.

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

Thence N 52°.53'W  
Va. 14°.E

500 S.C. End.  
445 Cor. No. 1 Fraction lode of this sur. *at S 11°10'E 71.3 ft. from NEC on E end line District lode and N side line of District lode*  
540.52 Intersect line 4-1 sur. No. 1581 Rainey lode at S 78°.50'W  
63.56 ft. from cor. No. 4 *and N 8'*

600 To Cor. No. 2.  
Identical with the loc. A Tufa stone 5X10X24 ins. set 12 ins. in the ground with mound of stones, chiseled F-2-2466  
No bearings available. Loc. cor. mon. of stones 3X3 ft.

Thence N 37°.07'E  
Va. 14°.E

135.55 ~~Identical with~~ Cor. No. 1 Fraction No. 2 lode of this sur. Intersect line 3-4 sur. No. 1581 Rainey lode at N 12°.W  
134.63 ft. from cor. No. 4 a 4X4 inch post 3 ft. above the ground in mound of stones scribed R-4-1581

1004.58 Cor. No. 3 Fraction No. 2 lode of this sur. at intersection of line 4-1 sur. No. 1581 Satellite at S 71°.20'W 34 ft. from cor. No. 4 a post 4X4 ins. X 3 ft. above the ground in mound of stones scribed S-4-1581

1106.16 Intersect line 3-4- Sur. No. 1581 Satellite lode at N 13°.40'W 57.12 ft. from cor. No. 4.

1331 Intersect South end line of Copper Carbonate lode unsurveyed at N 51°.14'W 298 ft. from S.E. Cor. a Post 4X4 ins. X 3 ft. above the ground in mon. of stones.

1485 To Cor.No.3.  
 Identical with the loc A Quartzite stone 10X10X24 ins.  
 set 12 ins.in the ground with mound of stones. *Chiseled F-3-2466*  
 No.bearings available.Loc.cor.post4X4 ins X3 ft.long in  
 mon.of stones.

Thence S 52°.53'E  
 Va.14°.E

300. N C.End.

302.51 Intersect East side line of Copper Carbonate lode  
 unsurveyed at N 38°.46'E 162.62 ft.from S.E.Cor.

600 To Cor.No.4  
 Identical with the loc.A Quartzite stone 6X8X24 ins.set  
 12 ins.in the ground,with mound of stones,chiseled  
 F-4-2466.No bearings available.Loc.cor post 4X4 ins.X 3ft  
 in mound of stones.

Thence S 37°.07'W  
 Va.14°.E

396.24 Cor.No.3 Copper Contact lode of this sur,  
 887.42 intersect line 1-2 Fraction lode of this sur. at S 73°.31'W 103.79 ft from cor.No.3  
 1028.32 intersect line 1-2 Copper Contact lode of this sur.at  
 S 34°.33'E 198.81 ft from cor.No.2

1485 To Cor.No.1 the place of beginning.  
 Copper Contact lode.  
 beginning at cor.No.1  
 Identical with the loc.A Quartzite stone 6X8X24 ins.set  
 12 ins.in the ground with mound of stones chiseled C-C-1-  
 2466 Whence:  
 U.S.L.M.No.1 brs. S 61°.22'W 2417.40 feet.  
 No bearings available.Loc.cor.post 4X4 ins.X3 ft.set in  
 mound of stones.

Thence N 34°.33'W  
 Va.14°.E

101.32 intersect line 3-4 survey No 18 44 Cairo lode at  
 S 11°.10'E 223.17 ft.from cor No.3

- 344.46 Cor.No.3 Fraction lode of this sur.at intersection of line  
2-3 sur.No.1244 Cairo lode at S 78°.50'W 96.5 ft.from cor.  
No.3
- 881.19 Intersect line 4-1 Little Frank lode of this sur.at  
N 37°.07'E ~~456.68~~ ft from cor 1
- 975.06 Intersect line 1-2 Fraction lode of this sur.at N 73°.31'E  
603.21 ft.from cor.No.1
- 1080 To cor.No.2  
A Tufa stone 6X8X24 ins set 12 ins in the ground with  
mound of stones, chiseled C-C-2-2466  
No bearings available. Loc.cor.post 4X4 ins.X 3 ft.in  
mound of stones brsN 34°.35'W 400 ft.
- Thence N 55°.27'E  
Va.14°.E
- 300 W.C.End.
- 600 To Cor.No.3 at intersection of line 4-1 Little Frank  
lode of this sur.at S 37°.07'W <sup>376.24</sup>~~369.33~~ ft.from cor.No.4  
No bearings available.Loc.cor.post 4X4 ins.X 3 ft.in mound  
of stones brs.N34°.33'W 400 ft.As this corner falls on  
the edge of a little wash I established a witness cor.  
which brs.S 34°.33'E 10 ft. by planting a Quartzite stone  
6X8X24 ins.12 ins.in the ground with mound of stones,  
chiseled W-C-.C-C-3-2466.No bearings available.
- Thence from Cor.point Thence S 34°.33'E  
W.C. for Cor.3. Va.14°.E
- 10  
1080 To Cor.No.4.  
Identical with the location.  
A Quartzite stone 8X8X24 ins.set.12 ins.in the ground  
with mound of stones, chiseled C-C-4-2466.  
No bearings available.Loc.cor.post 4X4 ins.X 3 ft.in mound  
of stones.
- Thence S 55°.27'W  
Va.14°.E
- 300 S.C.End.
- 600 To Cor.No.1 the place of beginning.

( 5 )

Fraction No.2 <sup>lode.</sup> Survey No.2466

Beginning at Cor.No.1

Identical with the location. Line stone 4X7X24 ins. set 12 ins.

in the ground with mound of stones, <sup>chiseled</sup> F.No.2-1-2466, whence:

U.S.L.M.No.1 brs. S 25°.30'W 2205.45 feet.

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

Thence N 12°.00'W  
Va.14°.E

195 W.C.End.

492 To Cor.No.2

Identical with the location

A Line stone 7X8X24 ins. set 12 ins. in the ground with mound of stones, chiseled F-No.2-1-2466. No bearings available, this corner is also identical Cor.No.3 Sur.

No.1531 Rainey lode, a post 4X4 ins. X 4 ft. in mound of stones scribed R-4-1531

Thence N 71°.20'E  
Va 14°.E

152 Cor.No.4 Saturn & Cor.No.1 Satellite lodes sur.No.1531

631.49 To Cor.No.3 at intersection of line 2-3 Little Frank lode of this sur, at N 37°.07'E 1004.58 ft. from Cor.No.2

A Tufa stone 3X10X23 ins. set 14 ins. in the ground with mound of stones, chiseled F.No.2-3-2466.

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

Thence S 12°.00'E  
Va.14°E.

53 To Cor.No.4

Identical with the loc. A Limestone 5X6X24 ins. set 12 ins. in the ground, with mound of stones, chiseled F.No.2-4-2466 No bearings available. Loc.cor.mon.of stones 3X3 ft.

Thence S 40°.03'W  
Va.14°.E

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

<sup>Areas</sup>  
Fraction lode total area.....10.937 acres.

Less area in conflict with Copper Contact lode of this sur.  
1.717 acres.

Less area in conflict with Little Frank lode not in conflict with Copper Contact lodes of this sur. 2.936  
4.653

Total net area Fraction lode.....6.284 acres.

Little Frank lode total area.....20,454  
 Less area in conflict with sur.1531 Satellite lode  
 0.055 acres  
 Less area in conflict with Copper Carbonate lode  
 unsurveyed 1.091 acres. *Less area in conflict with Diorite lode amount 0.052/acre*  
*Less area in conflict with sur. # 1541 Rainey lode 0.191 acres 1.389*  
 Total net area Little Frank lode 19,065 acres.

Copper Contact lode total area... 14,876 "  
 Less area in conflict with Little Frank lode of this  
 sur. 1,369 acres  
 Less area in conflict with sur.No. ~~1531~~ 1244  
 2  
 Cairo lode 0.247 acres. 1,616  
 Total net area Copper Contact lode .. 13,260 acres.  
 Fraction No.2 lode total area..... 4,147 acres  
 Less area in conflict with Little Frank lode of this sur  
 0,437 acres.....  
 Total net area Fraction No.2 lode... 3,710 acres  
 Total net area of lode claim 42,319 acres.

Location

This claim is located on unsurveyed land approximately  
 in T.3.S.R.14 E Mineral Creek Mining Dst, Pinal Co, Arizona.

Adjoining Claims

This claim is bounded on the North by sur.No.1531  
 Saturn and Satellite lodes, U.S. Land and Copper Carbon-  
 ate lode unsurveyed, Ray Copper Co. claimant. On the  
 East by U.S. Land, on the South by U.S. Land and sur.No.1244  
 Cairo, and Poorman lodes, and on the West by sur.No.1531  
 Rainey lode and Diorite lode unsurveyed, Ray Copper Co.  
 claimant.

Ledges

Fraction ledge brs N 78°.50'E 850 ft. from W.C. End to E C E  
 Little Frank ledge brs. from S.C. End N 37°.07'E 1488 ft. to N.C.E.  
 Copper Contact ledge brs, from S.C. End N 34°.33'W 1080. ft. to N.C.E.  
 Fraction No.2 ledge brs. from Cor.No.4 to W.C. End.  
*552.20'W 728.8 feet*

Improvement.

To certify that the value of the labor and improvements  
 upon this claim, placed thereon by the claimants and their  
 grantors, is not less than five hundred dollars for each  
 lode and that said improvements consist of:



Fracton lode.

No. 1 Dis. cut which brs. from W.C. End N78°50'E 180 ft.  
 4X20X12 .ft .. . . .value \$50.00  
 Credit to this lode from common improvements \$525.00  
 Little Frank lode

*Dis. shaft*  
 No. 1<sup>shaft</sup> which brs from S.C. End N 37°.07'E 100 ft  
 4X6X10 ft .. . . .value \$50.00

No. 2 shaft which brs. from S.C. End N 37°.07'E 15 ft.  
 5X10X30 ft. .... .value .....\$600.00

No. 3 tunnel which brs. from S.C. End N 18°.E 105 ft  
<sup>212.1</sup>  
 5X7X30 ft. course S 58°.E ... value \$240.00

No. 4 tunnel which brs. from Cor. No. 3 Copper Contact lode  
 on line 4-1 Little Frank lode, S. 37° 07' W. 396.24 ft.  
 from cor. No. 4, N. 81° 30' W. 220 ft., 5 x 7 x 30  
 ft., course N. 29° W. Value,  
 \$ 240.00  
 Credit to this lode from common improvements \$525.00  
 Copper Contact lode

No. 1 dis cut which brs. from S.C. End N 34°.33'W 500.  
 4X20X 12 ft .. . . .value .....\$50.00

No. 2 cut which brs. from cor. No. 3 S 1°.15'E 580 ft.  
 4X20X 12 ft. value ....\$50.00

*original*  
 No. 3 shaft which brs, from cor. No. 3 S 17°00'W 330 ft.  
 5X8X75 ft. ....value .....\$1500.00  
 Credit to this lode from common improvements \$525.00  
 Fracton No. 2 lode

No. 1 dis. cut which brs from cor. No. 38 38°.00'W  
 210 ft. 4X20X12 ft. value \$50.00  
 Credit to this lode from common improvements \$525.00

It is the declared intention of the claimants to work  
~~connecting this shaft when sufficient drift is obtained then drift and connect into~~  
 these lodes as a group and \$ 150.00 of the work of No. 2  
~~the other lodes~~

shaft Little Frank lode is credited to each of the lodes  
 in this claim, and \$375.00 of the work in No. 3 shaft Copper  
 Contact lode is credited to each of the lodes in this claim.

Instrument.

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

Note-I run all the lines of sur. No. 1581 touching this  
 sur. very carefully and found them all in error.

..... *William D. 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 Little Frank, Copper Contact, Junction No. 1 & Incline

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 Little Frank, Copper Contact, Junction No. 1 & Incline

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 27<sup>th</sup>

day of January, 1908.

W. H. Merritt

Notary Public

My Commission Expires July 7<sup>th</sup> 1909

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 8th 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 Concessions, known as the Little Round Copper Contact, Tract No. 9, Tucson, situate in Mural Creek Mining District, Pinal County, Arizona, in Section 4, Township No. 3 S., Range No. 14 E. Unsur, and designated as Survey No. 2466, 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 Hickham, and G O Nolan

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Little Branch, Copper Contact, & Junction mining claim,

situate in Mineral Creek Mining district, Pinal County,

Arizona Territory, for which Kelvin Calumet Copper

Mining Company

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, for each lode and further that we are not personally interested in said mine.

P A Hickham

G O Nolan

TERRITORY OF ARIZONA,

County of Yavapai } ss:

Sworn to and subscribed before me, this 27<sup>th</sup>

day of January, 1908



W J Merritt  
Notary Public

14396b400-8-04

W J Merritt  
July 7 1909

Filed and recorded at request of D. W. Mc Callen on the 25th day of October A. D. 1898 at 1 O'Clock P. M.

F. A. Chamberlin, Recorder,  
By Thos. G. Peyton 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 "LITTLE FRANK" Mining Claim as the same appears of record in Book No- 15 of Mines at page- 320-- 321- thereof.

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

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

**MISSING**

**PAGE(S)**

## LOCATION NOTICE.

Notice is hereby given that the " COPPER CONTACT" Mining Claim Containing mineral bearing quartz, earth or rock in place, located by the undersigned on this 22nd day of March, 1897, has been located for mining purposes.

Said claim is 1500 feet in length and we claim 300 feet on each side of the center of discovery shaft for full length of claim.

The general course of this lode, deposit, or premises is South easterly & North westerly.

This claim is situated in Mineral Creek Mining District, Pinal County, Territory of Arizona, about one half mile in a East direction from Mineral Monument No 1 and about (800) feet East of the Poorman Mine.

This claim is bounded and marked as follows, to-wit:

Beginning at the South East center end post or monument, being (500) feet South East of the center of discovery shaft, upon which this notice is posted: thence 300 feet in a south west direction to a post or monument : thence 750 feet in a North West direction to a post or monument at the center of the South west side line of claim: thence 750 feet in a North west direction to a post or monument; thence 300 feet in a North East direction to a post or monument, being the center end post or monument of North west end of said claim; and (1000) feet North West from the center of discovery shaft; thence 300 feet in a North East direction to a post or monument; thence 750 feet in a South East direction to a post or monument, being the center of the North East side line of claim; thence 750 feet in a South East direction to a post or monument; thence 300 feet in a south west direction to the place of beginning.

Done under and by virtue of the laws of the United States and the laws of the Territory of Arizona.

D. W. Mc Callen

C. F. Schilling

Locators-

Filed and recorded at request of A. F. Barker April 9th, 1897  
at 3 P. M.

F. A. Chamberlin Recorder,  
G. G. Thurston 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  
"COPPER CONTACT" Mining Claim as the same appears of  
record in Book- No 14 of Mines at page 613 thereof.  
Witness my hand and seal of office this 3rd day of  
September A. D. 1907

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



NOTICE OF LOCATION.

2466

Notice is hereby given that the FRACTION NO 2 mining claim was located by Big Lead Mining & Smelting Co., W. B. Twitchell agt. on this 19th day of November 1904, 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... and is situated in the Mineral Creek Mining District, Pinal County, Arizona, about 3/4 of a mile East of the Ray Mill at Ray Ariz.

This is a fraction and is bounded on the South by the Little Frank claim, on the west by the Rainer & other claims and on the North by the property owned by one Dunham.

Contains seven acres more or less.

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

Big Lead Mining & Smelting Co.

by W. B. Twitchell agt.

Locator.

Filed and recorded at the request of W. B. Twitchell on the 5th day of January A. D. 1905 at 2 O'Clock P. M.

E. B. Devine Recorder

by T. C. Wells 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 "FRACTION NO 2" mining claim as the same appears of record in Book-- No 22 of Mines at pages 141 thereof.

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

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

## NOTICE OF LOCATION.

Notice is hereby Given that the " FRACTION" mining claim was located by Big Lead Mining and Smelting Company W. B. Twitchell agt. on this 15th day of Nov. 1904--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 ..... and is situated in the Mineral Creek mining district, Pinal County, Arizona, about 3/4 of a mile East of the Ray Mill, Ray , Ariz.

This is a fraction and bounded on the North west by Little Frank claim & on East by Copper Contact Claim, on South by Ray Co Claim and on the West by DIORITE Claim.

Containing 6 acres more or less.

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

Big Lead Mining and Smelting Co.

By W. B. Twitchell Agt.

Locator.

Filed and recorded at the request of W. B. Twitchell on the 5th day of January, A. D. 1905 at 2 O'Clock P. M.

E. B. Devine Recorder

By T. C. Wells 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 Fraction Mining Claim, as the same appears of record in Book No- 22 of Mines at pages 140 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 12, 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 LITTLE FRANK, COPPER CONTACT, FRACTION NO. 2, FRACTION, 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. 2466, 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 <sup>not less than</sup> five hundred dollars' worth of labor has been expended or improvements made upon <sup>or for each of</sup> said mining claim<sup>s</sup> by claimant or its grantors, and that said improvements consist of 4 cuts, 3 shafts and 2 tunnels, total value \$2830. Shaft No. 2 on the Little Frank lode and Shaft No. 3 on the Copper Contact lode form the basis of a common improvement for the four claims of this survey, and a 1/4 interest therein, valued at \$525 is properly credited to each claim of the survey.

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 12, 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

LITTLE FRANK, COPPER CONTACT, FRACTION NO. 2, FRACTION,

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. 2466

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

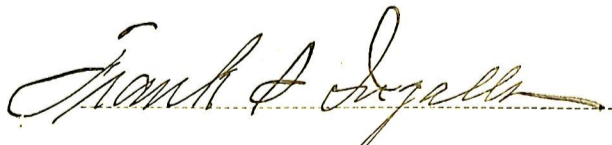
Surveyor, January 22 - 26, 1908, under my instructions dated

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.

  
U. S. Surveyor-General for Arizona.

