



## **CONTACT INFORMATION**

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PRINTED: 09-05-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SULLIVAN

ALTERNATE NAMES:

MERIT PATENT  
CHICAGO PATENT  
JERSEY PATENT  
UNITED GOLD MINES CO.

YAVAPAI COUNTY MILS NUMBER: 440D

LOCATION: TOWNSHIP 10 N RANGE 6 W SECTION 22 QUARTER NE  
LATITUDE: N 34DEG 11MIN 38SEC LONGITUDE: W 112DEG 51MIN 21SEC  
TOPO MAP NAME: CONGRESS - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD

BIBLIOGRAPHY:

USGS CONGRESS QUAD  
BLM MINING DISTRICT SHEET 310  
ADMMR SULLIVAN FILE  
ADMMR GEOLOGY FILE E.A. STONE & T. G. KUHN  
SMALLER MINES AND PROSPECTS NEAR CONGRESS  
1945 P 11  
CLAIMS EXTEND INTO SEC. 22

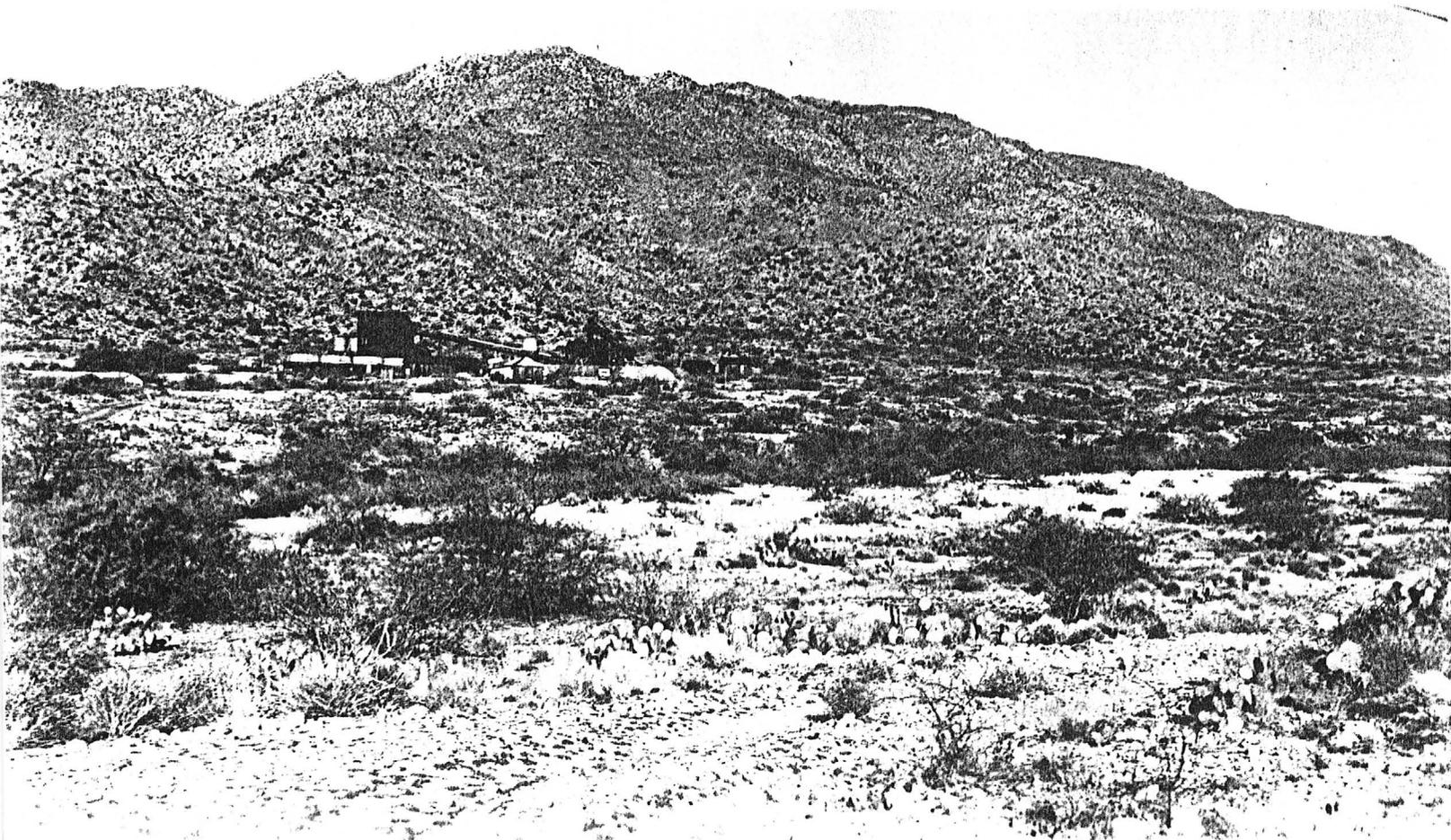
See: Eagle-Picher Geology file

Congress Mine (file) Yavapai (pg. 12 of July 6, 1943, report by G.M. Colvocoresses)

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RRB WR 2/13/81: In the company of Ken Phillips visited the Sullivan Mine Property,  
Sec. 22, T10N, R6W, Yavapai County.

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A-181-25

C-1950



SULLIVAN MINE

YAVAPAI COUNTY  
T10N R6W Sec 22

AKA: Alaska, Merit Patent, Chicago Patent, Jersey Patent, United Gold Mine

MILS Index # 440D

USGS Congress, Az. 7.5 (Included in file)

Geo. file- Stone, E. A. & Tghikuhn, Small er Mines and Prospects near  
Congress.



COMMODITIES PRESENT C10 < A.U., A.G., V.P.F. >  
 ORE MINERALS C30 < GOLD, AURIFEROUS GAL. AURIFEROUS PYRITE, SPHALERITE >  
 COMMODITY SUBTYPES C41 < >  
 GEN. ANALYTICAL DATA C43 < >  
 COM. INFO. COMMENTS C50 < >

SIGNIFICANCE

MAJOR PRODUCTS	MAJOR < A.U. >	NON-PRODUCER	MAIN COMMODITIES PRESENT C11 < >
MINOR PRODUCTS	MINOR < A.G. >	NON-PRODUCER	MINOR COMMODITIES PRESENT C12 < >
POTENTIAL PRODUCTS	POTEN < P.A., Z.N. >		
OCCURRENCES	OCCUR < >		OCCURRENCES OCCUR < >

\*PRODUCTION

PRODUCTION YES (circle)	PRODUCTION SIZE (SM) MED LGE (circle one)	NON-PRODUCER	PRODUCTION UND NO (circle one)
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EXPLORATION OR DEVELOPMENT

STATUS	PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < U >		STATUS AND ACTIVITY A20 < U >

DISCOVERER L20 < >  
 YEAR OF DISCOVERY L10 < 1900's > NATURE OF DISCOVERY L30 < U.S. > YEAR OF FIRST PRODUCTION L40 < 1904 > YEAR OF LAST PRODUCTION L45 < 1936 >  
 PRESENT/LAST OWNER A12 < JOHN BROWN, PHOENIX, AZ (UNDATED) >  
 PRESENT/LAST OPERATOR A13 < UNITED GOLD MINES CAMPAIGN, NAVARRO EXPLORATION COMPANY (1936) >  
 EXPL./DEV. COMMENTS L110 < PATENTED CLAIMS INCLUDE ALASKA, JERSEY, SUNSET, BOSTON, CHICAGO, PHILADELPHIA, MERT, AND OTHERS >

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 < VEIN >  
 DEPOSIT FORM/SHAPE M10 < TABULAR >  
 DEPTH TO TOP M20 < > UNITS M21 < > MAXIMUM LENGTH M40 < 3000 > UNITS M41 < FT >  
 DEPTH TO BOTTOM M30 < 730 > UNITS M31 < FT > MAXIMUM WIDTH M50 < 700 > UNITS M51 < FT >  
 DEPOSIT SIZE M15 < (SMALL) M15 < MEDIUM > M15 < LARGE > (circle one) MAXIMUM THICKNESS M60 < 3 > UNITS M61 < FT >  
 STRIKE M70 < N 90 E TO N 65 W > DIP M80 < 20 N TO 25 N >  
 DIRECTION OF PLUNGE M100 < N 15 E > PLUNGE M90 < 15 TO 20 >  
 DEP. DESC. COMMENTS M110 < VEIN CUT BY FAULT WHICH TRENDS N 00 E, VERTICALLY DIPPING. VEIN IS IN FOOTWALL OF DIABASE DIKE >

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one) OVERALL LENGTH M190 < 200 > UNITS M191 < FT >  
 DEPTH BELOW SURFACE M160 < 730 > UNITS M161 < FT > OVERALL WIDTH M200 < 15 > UNITS M201 < FT >  
 LENGTH OF WORKINGS M170 < 2000 > UNITS M171 < FT > OVERALL AREA M210 < 3000 > UNITS M211 < SQ FT >  
 DESC. OF WORK. COM. M220 < MAIN SHAFT 730 FT DEEP ON AN INCLINE WITH TEN LEVELS. SHAFT TRENDS N 15 E AND PLUNGES 20 N >

GEOLOGY

AGE OF HOST ROCK(S) K1 < P.R.O.T., T.E.R.T., W. UNDATED, POSSIBLY 1400 MILLION YEARS (APPROX) ; UNDATED, PROBABLY MIOCENE >  
 HOST ROCK TYPE(S) K1A < PORPHYRITIC GRANITE ; ANDESITE, MAFIC DIKES, DIORITE >  
 AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., T.E.R.T., W. AS LINE K1 >  
 IGNEOUS ROCK TYPE(S) K2A < AS LINE K1A >  
 AGE OF MINERALIZATION K3 < T.E.R.T., W. UNDATED, PROBABLY MIOCENE >  
 PERT. MINERALS (NOT ORE) K4 < QUARTZ, BARITE >  
 ORE CONTROL/LOCUS K5 < FAULTING, SHEARING, IMMEDIATE ACTIVITY >  
 MAJ. REG. TRENDS/STRUCT. N5 < GRANITE IS MASSIVE AND UNFOLIATED >  
 TECTONIC SETTING N15 < >  
 SIGNIFICANT LOCAL STRUCT. N70 < VEINS PARALLEL ANDESITE DIKES WHICH TEND E-W TO NE AND DIP AT LOW ANGLES, LESS THAN 40 DEG. >  
 SIGNIFICANT ALTERATION N75 < NONE >  
 PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR SURFACE >  
 FORMATION AGE N30 < >  
 FORMATION NAME N30A < >  
 SECOND FM AGE N35 < >  
 SECOND FM NAME N35A < >  
 IGNEOUS UNIT AGE N50 < P.R.O.T., W. UNDATED, POSSIBLY 1400 MILLION YEARS (APPROX) OR OLDER >  
 IGNEOUS UNIT NAME N50A < UNNAMED PORPHYRITIC GRANITE OF DATE CREEK MOUNTAINS >  
 SECOND IG. UNIT AGE N55 < T.E.R.T., W. UNDATED, PROBABLY MIOCENE >  
 SECOND IG. UNIT NAME N55A < UNNAMED ANDESITE AND MAFIC DIKES >  
 GEOLOGY COMMENTS N85 < DEPOSIT IS QUARTZ VEIN WHICH CUTS (PRECAMBRIAN GRANITE). VEIN USUALLY ASSOCIATED WITH ANDESITE AND MAFIC DIKES WHICH DIP SHALLOWLY TO THE NORTH. >

GENERAL COMMENTS

GENERAL COMMENTS GEN < >

SULLIVAN MINE

YAVAPAI COUNTY  
Martinez District

Sec. 22, T10N, R6W  
Patented Claims (4)  
1½ miles SW of old Congress mine.

Wednesday, June 26 Went with Mr. John Brown, Phoenix to his four patented claims in Section 22, T10N, R6W, about 1½ miles SW of the old Congress mine. Ten claims were patented in June 1911 to the United Gold Mines Company of which Mr. Brown purchased the Merit, Sunset, Alaska and Jersey in 1966 from a Mrs. Hill. The mine was known as the "Sullivan". The geology here is very similar to the Congress mine in that flat-dipping quartz is contained in a diabase or greenstone dike which has intruded a coarse grained biotite granite. The dip is 15-20°N and the strike is about N65°W. The main shaft trends N15E and dips 20°N; it is shown on the patent plat as being 622 feet deep with 9 levels. Three other inclined shafts were found on strike to the NW of the main one; the furthest is about 400 feet. The only quartz noted in place was the 1st shaft NW of the main one, here stringers from 1" to 6" were seen on the east rib. The small amount of quartz on the dumps and its small size leads one to think the vein was probably not more than 1 foot in thickness. There was a four stamp Nissen mill followed probably by amalgamation and cyanidization. A rough estimate of the tailings indicates there were 5 to 6,000 tons run thru the mill. Due to the slight relief around the mine, the dump is scattered over quite a large area but it's estimated to contain only 20 to 25,000 tons. Mr. Brown has been approached by Mr. Jaquays for a lease on this property. It was suggested to Mr. Brown that a factual basis for negotiation is a determination of the grade and tonnage; which entails a thorough sampling of all exposures of the vein. He didn't appear to relish the idea because of the expense involved.

**DEPARTMENT OF MINERAL RESOURCES**  
STATE OF ARIZONA  
**FIELD ENGINEERS REPORT**

Mine Sullivan Date June 27, 1974  
District Martinez Engineer G. Walker  
Subject: extracted information from Minerals Yearbooks

1910 - All ore mined was milled 28,335 tons from Congress & United Gold Mines Co.

1911 - United Gold Mines Co. Alaska mine operated 4 stamp Nissen mill 30 tons/day

1912 - Principal output from Alaska 30T stamp mill

ARIZONA DEPARTMENT OF MINERAL RESOURCES  
Mineral Building, Fairgrounds  
Phoenix, Arizona

1. Information from: Owner + examination  
Address: \_\_\_\_\_
2. Mine: Sullivan 3. No. of Claims - Patented 4  
Unpatented \_\_\_\_\_
4. Location: 1 1/2 mi S W of Congress mine  
or less
5. Sec 22 Tp 10 N Range 6 6. Mining District Yav. Co. - Martinez dist.
7. Owner: John Brown
8. Address: 7831 N. 6<sup>th</sup> St. Phx.
9. Operating Co.: United Gold Mines Co  
former
10. Address: UNKNOWN
11. President: DJ. SULLIVAN 12. Gen. Mgr.: UNKNOWN
13. Principal Metals: Au 14. No. Employed: ✓  
4 Niessen)
15. Mill, Type & Capacity: 4 stamps with amalgamation + cyanidization
16. Present Operations: (a) Down  (b) Assessment work  (c) Exploration   
(d) Production  (e) Rate \_\_\_\_\_ tpd.
17. New Work Planned: None

18. Misc. Notes: Old mine on which we had no file. Claims staked in 1910 + patented in June 1911. Probably operated only a short time, however, there are several shafts, one of which ~~is~~ exceeds 600 ft on a 15° incline; it has 10 levels totaling more than 2000 ft of drifts. The geology here is very similar to that at the Congress in that the <sup>narrow</sup> quartz vein is contained in a flat-dipping diabase dike intruding coarse grained biotite granite.

Date: 6/26/74 (Signature) Qualker (Field Engineer)

Claims Located Am'd. Sept. 2, 1910 190.

Mineral Survey No 2901

Lot No Arizona Land District

PLAT OF THE CLAIM OF The United Gold Mines Company

KNOWN AS THE Norwood, Jersey, Merit, Chicago, Hastings, Philadelphia, Alaska, Boston, Sunset, and Annex.

IN Martinez, MINING DISTRICT, Yavapai COUNTY, Arizona Containing an Area of 198.450 Acres. Scale of 300 Feet to the inch. Variation 15° E.

SURVEYED March 22-29, 1911 BY Herbert G. Shotwell U.S. Deputy Mineral Surveyor

The Original Field Notes of the Survey of the Mining Claim of The United Gold Mines Company known as the

Norwood, Jersey, Merit, Chicago, Hastings, Philadelphia, Alaska, Boston, Sunset, and Annex.

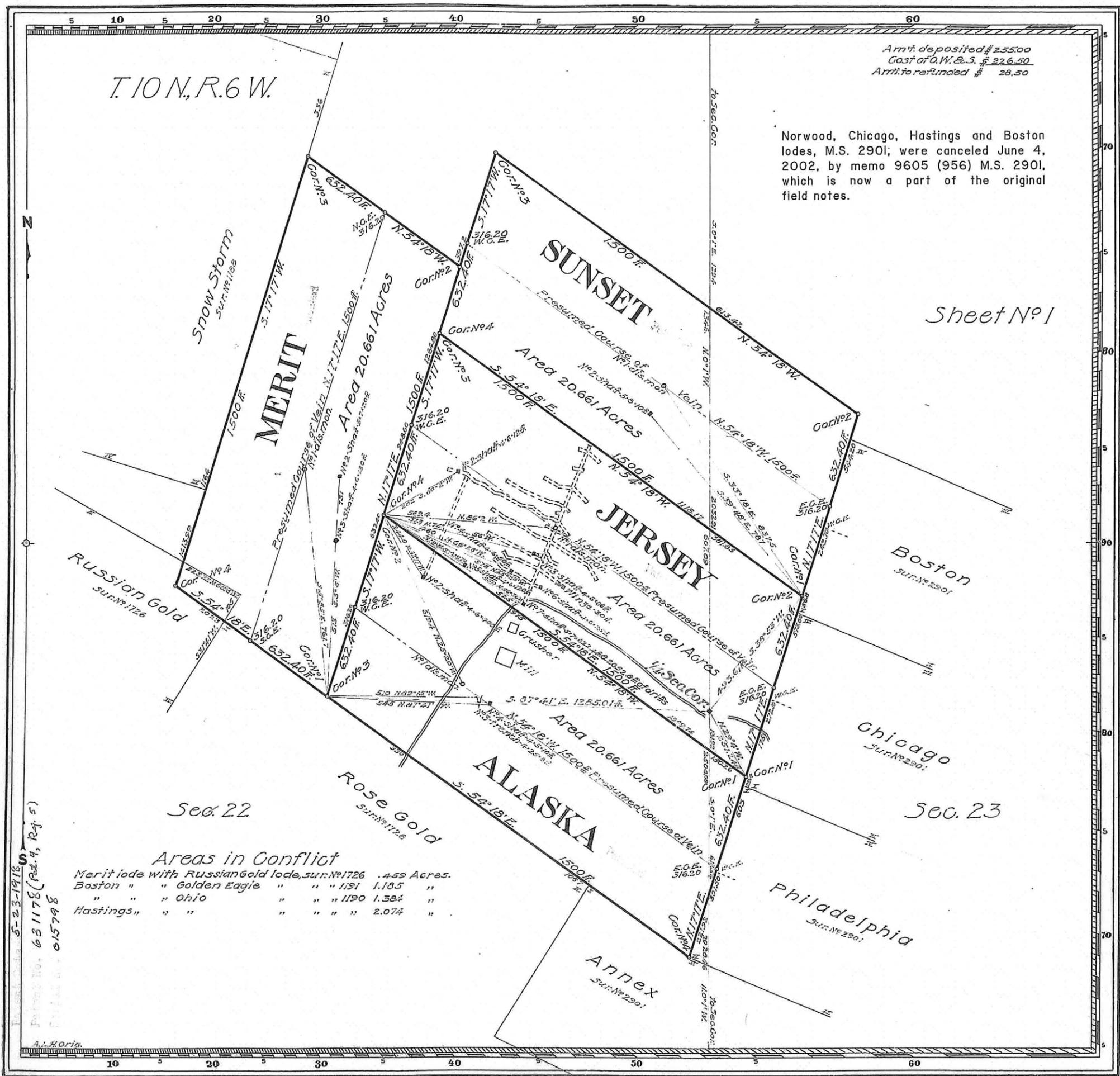
from which this plat has been made under my direction, have been examined and approved, and are on file in this office, and I hereby certify that they furnish such an accurate description of said Mining Claim, as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate, and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claims by claimant, or its grantors, and that said improvements consist of 12 shafts, winze, trench and 2052.8 feet of drifts total value \$35447. An undivided 1/10 interest value \$1052.8 in shaft No 7 on the Jersey lode is credited to each of the lodes in this survey.

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. J. M. Ingalls Phoenix, Arizona, U.S. Surveyor General for ARIZONA. June 15, 1911.



Am't. deposited \$ 25500  
Cost of O.W. & S. \$ 226.50  
Am't. to refunded \$ 28.50

Norwood, Chicago, Hastings and Boston lodes, M.S. 2901; were canceled June 4, 2002, by memo 9605 (956) M.S. 2901, which is now a part of the original field notes.

Sheet No 1

T. 10 N., R. 6 W.

Sec. 22

Sec. 23

Areas in Conflict

Merit lode with Russian Gold lode, sur. No 1726	1.453 Acres.
Boston " " Golden Eagle " " " 1191	1.185 "
" " " Ohio " " " 1190	1.384 "
Hastings " " " " " " "	2.074 "

Plat No. 631176 (Plat. 4, Reg. 5) 5-23-1918 U.S. DEPT. OF THE INTERIOR 015798



JOHN L. BROWN  
7831 N. 6th STREET  
PHOENIX 20, ARIZONA

Sheet No 1

10 N., R. 6 W.

Areas in Conflict

Merit lode with Russian Gold lode	20,661	Acres
Boston " " Golden Eagle " "	1,121	1,125 "
" " " Ohio " "	1,190	1,331 "
Hastings " " " " " "	2,074	" "

Claims Located Arizd. Sept. 2, 1910

Lot No 9 Land District.

Arizona

**PLAT**  
OF THE CLAIM OF  
The United Gold Mines Company

KNOWN AS THE  
Norwood, Jersey, Merit, Chicago, Hastings,  
Philadelphia, Alaska, Boston, Sunset,  
and Annex.

IX Martinez Yavapai COUNTY, ARIZONA  
Containing an Area of 199,450 Acres.  
Scale of 500 feet to the inch.  
Variation 15° E.

March 22-29, 1911  
Herbert G. Spotwell  
U.S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of  
The United Gold Mines Company  
known as the  
Norwood, Jersey, Merit, Chicago, Hastings,  
Philadelphia, Alaska, Boston, Sunset,  
and Annex.  
from which this plat has been made under my direction  
have been examined and approved, and are on file in this office;  
and I hereby certify that they furnish such an accurate descrip-  
tion 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.  
I further certify that Five Hundred Dollars worth of labor has  
been expended or improvements made upon said Mining  
Claims by claimant or his grantors, and that  
said improvements consist of <sup>or for each of</sup> shafts, tunnels, tramways and  
other structures, and that the location of said improvements is correctly shown  
upon this plat, and that no portion of said labor or im-  
provements has been included in the estimate of expendi-  
tures upon any other claim.  
And I further certify that this is a correct plat of said Mining  
Claim made in conformity with said original field notes of the  
survey thereof, and the same is hereby approved.

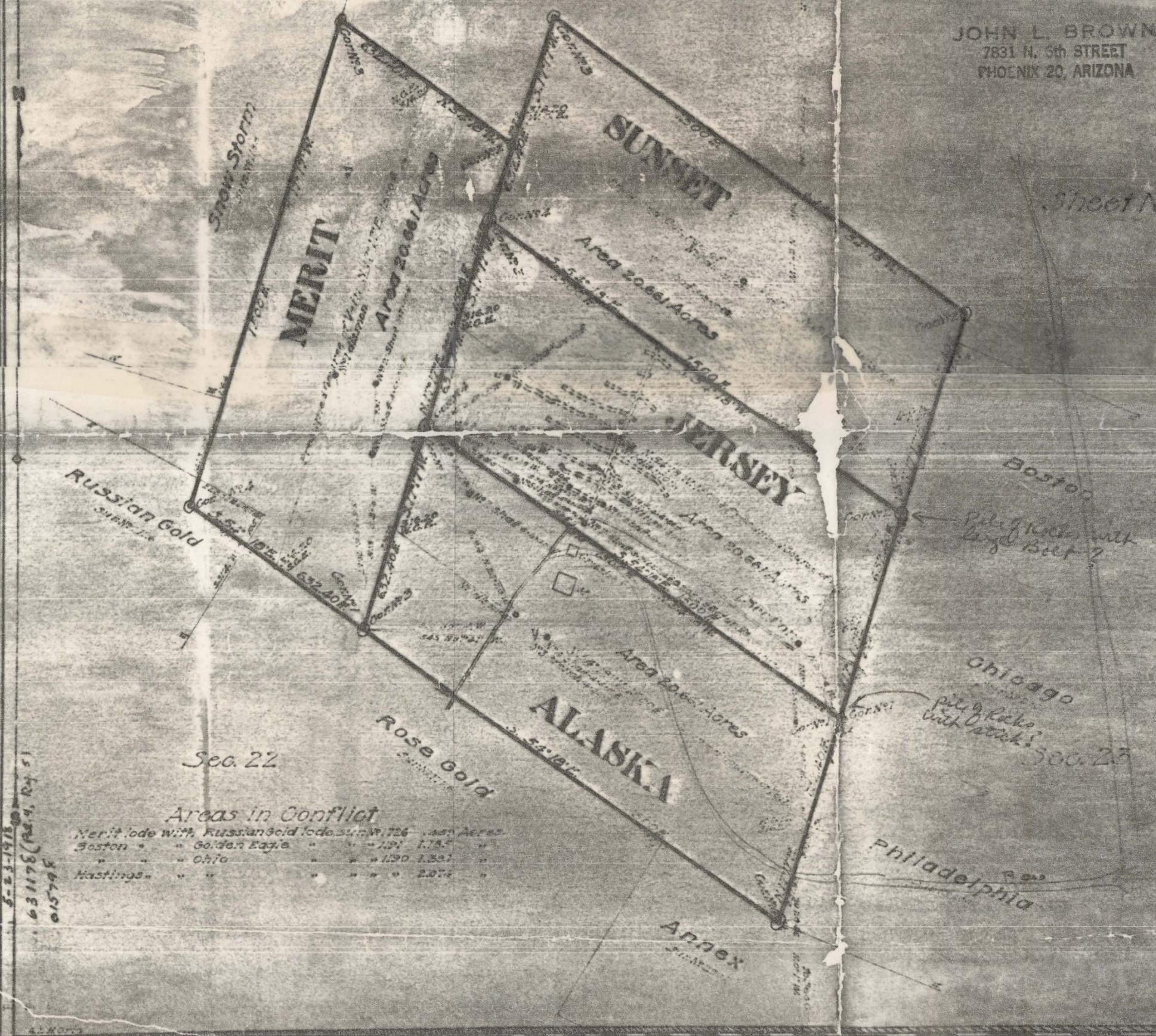
U.S. Surveyor General's Office. Frank L. Ingalls  
U.S. Surveyor General for  
ARIZONA.  
June 12, 1911.

Original in envelope

10 N. R. 6 W.

JOHN L. BROWN  
7831 N. 9th STREET  
PHOENIX 20, ARIZONA

Sheet No 1



Sec. 22

Areas in Conflict

Merit lode with Russian Gold lode	Sum W. 726	4.57 Acres
Boston	" Golden Eagle	" 1.21 1.75 "
Hastings	" Ohio	" 1.90 1.33 "
	" "	" 2.07 "

5-23-1911  
631176 (Pd. 4, R. 5)  
015798

Lot No 9  
Arizona Land Bureau

**PLAT**  
OF THE CLAIM OF  
The United Gold Mines Company

KNOWN AS THE  
Norwood, Jersey, Merit, Chicago, Hastings,  
Philadelphia, Alaska, Boston, Sunset,  
and Annex.

IS Mapped in Section 22, T. 10 N. R. 6 W.,  
Yavapai County, Arizona  
Containing an Area of 194.450 Acres.  
Scale of 500 feet to the inch.  
Variation 15° E.

STRENGTHED March 22-29, 1911 BY  
Herbert G. Shotwell  
U.S. Deputy Mineral Surveyor

The Original Field Notes of the Survey of the Mining Claims of  
The United Gold Mines Company  
shown as the

Norwood, Jersey, Merit, Chicago, Hastings,  
Philadelphia, Alaska, Boston, Sunset,  
and Annex.

from which this plat has been made under my direction,  
have been examined and approved, and are on file in this office,  
and I hereby certify that they furnish such an accurate descrip-  
tion 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.

I further certify that Five Hundred Dollars worth of labor has  
been expended or improvements made upon said Mining-  
Claims by claimant or its grantors, and that  
said improvements consist of shafts, winzes, tramways  
and other improvements, the location of which is indicated by  
the location of said improvements, and is indicated by each of  
the loci shown on this plat.

that the location of said improvements is correctly shown,  
upon this plat, and that no portion of said labor or im-  
provements has been included in the estimate of expendi-  
tures upon any other claim.

And I further certify that this is a correct plat of said Mining  
Claim made in conformity with said original field notes of the  
survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office, *Frank J. Ingalls*  
Phoenix, Arizona. U.S. Surveyor General for  
ARIZONA.  
June 15, 1911