CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

03/20/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DAVIS DUNKIRK

ALTERNATE NAMES:
PAT. CLM. MS 1691,1690,2420
VAN HOOK
MRUPHY
POVERTY
DAVIS
CASTLE COPPER CO.

YAVAPAI COUNTY MILS NUMBER: 1154A

LOCATION: TOWNSHIP 12 N RANGE 2 W SECTION 3 QUARTER NE
LATITUDE: N 34DEG 24MIN 59SEC LONGITUDE: W 112DEG 26MIN 25SEC
TOPO MAP NAME: GROOM CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER
GOLD
SILVER
LEAD

BIBLIOGRAPHY:
ADMMR DAVIS DUNKIRK MINE FILE
BLM MINING DISTRICT SHEET 241
YAVAPAI MAG. JULY 1918, P 6 SHARLOT HALL MUSEUM PRESCOTT, AZ
WEED, W.H. MINES HANDBOOK VOL 13 1918 P 512
LINDGREN, W. ORE DEPTS JEROME & BRADSHAW MTNS QUADS USGS BULL 782 1926 P 119
DAVIS DUNKIRK MAP ADMMR UPSTAIRS COLLECTION
ADMMR DAVIS GROUP (DAVIS DUNKIRK) COLVO FILE

DAVIS-DUNKIRK MINE

YAVAPAI COUNTY

MAP IN MAP FILE UPSTAIRS

ABM Bull. 137 p. 44

USGS Bull. 782 p. 119

Skillings Mining Review, January 26, 1974, p.22

* GENERAL REFERENCES

F16

REFERENCE 1 F1 <USBM-ABGMT FILE A

REFERENCE 2 F2 <AZ DEPT MIN RES FILE DATA Data

REFERENCE 3 F3 <ABGMT CLIPPINGS FILE DATA

REFERENCE 4 F4 <U.S.G.S BULL 782, P.119

A13 <BRADSHAW MINES, INC. (1935-1937), VAN HOOK MINING CO. (1943)>
A12 < CO. (1918)
L110 < KENTUCKY JUDGE, MARGERY, KENO, RETORT, CRESENT, INDIANA, DOUGLAS, GENERAL OTIS AND CAPTAIN LYMAN. MAIN WORKINGS ARE ON THE NEW ERA AND DUNKIRK PATENTED CLAIMS >
F5 < YAVAPAI MAGAZINE 1918 V. VI, #8 P.6 >

C30 < GOLD, PROUSTITE >

N85 < OUTCROPS 0.15 MILES NORTHWEST OF MAIN WORKINGS >

A83 < SEC. 3 AND NW PART OF SEC. 2. UTM COORDINATES FOR DAVIS-DUNKIRK ARE TO LOWEST TUNNEL ON DUNKIRK CLAIM IN NORTHEAST PART OF SEC. 2 >

M110 < INTO THE NORTHWESTERN SEGMENT, THE DAVIS VEIN, AND THE SOUTHEASTERN SEGMENT, THE DUNKIRK VEIN >

F6 < USGS GEOLOGIC QUADRANGLE MAP GQ 997 >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

*RECORD NUMBER B10 <>
*RECORD TYPE B20 <X,1,M>
DEPOSIT NUMBER B40 <>
*REPORT DATE G1 <8,1,1,1> (YR. MO.)
*INFORMATION SOURCE B30 <1,2>
*FILE LINK IDENT. B50 <USBM-004025 0633>

*REPORTER(SUPERVISOR) G2 <LABABA PETER (DEWITT ED)>
(last, first, middle initial) (last, first, middle initial)

*REPORTER AFFILIATION G5 <ABGMT>
*SITE NAME A10 <DAVIS-DUNKIRK MINE>
SYNONYMS A11 <VAN HOOK, DAVIS, MURPHY, DUNKIRK, POVERTY>

LOCATION

*MINING DISTRICT/AREA A30 <MT. UNION DISTRICT>
*COUNTY A60 <YAVAPAI>
*STATE A50 <A,Z>
*COUNTRY A40 <U.S.>
*PHYSIOGRAPHIC PROV A65 <1,2>
*DRAINAGE AREA A62 <1,5,0,7,0,1,0,3>
*LAND STATUS A64 <0,0,, (,,,,)>
*QUADRANGLE NAME A90 <GROOM CREEK (1,9,7,4)>
*QUADRANGLE SCALE A100 <2,4,0,0,0>
SECOND QUAD NAME A92 <(,,,,)>
SECOND QUAD SCALE A91 <>
ELEVATION A107 <7,2,0,0 FT>

UTM
*NORTHING A120 <3,8,0,9,0,8,0>
*EASTING A130 <3,6,6,9,1,8>
*ZONE NUMBER A110 <+,1,2>

*ACCURACY
ACCURATE ACC (circle)
ESTIMATED EST <>

GEODETIC
*LATITUDE A70 <,,-,,-,,N>
*LONGITUDE A80 <,,-,,-,,W>

CADASTRAL
*TOWNSHIP(S) A77 <0,1,2,N ; , ; , ; ,>
*RANGE(S) A78 <0,0,2,W ; , ; , ; ,>
*SECTION(S) A79 <2 ; , 3 ; , ; ,>
*SECTION FRACTION(S) A76 <NW OF NW OF NW ; NE OF NE OF NE>
*MERIDIAN(S) A81 <GILA AND SALT RIVER>

*POSITION FROM NEAREST PROMINENT LOCALITY A82 <2.6 MILES W OF MT. UNION LOOKOUT TOWER>
LOCATION COMMENTS A83 <UTM TAKEN TO ADIT IN SECTION 3; ADIT IN SECTION 2 PART OF THE MINE. OLD DAVIS MINE WAS WORKINGS ON NEW ERA CLAIM IN CENTER OF SEC. 3. DUNKIRK MINE WAS WORKINGS ON DUNKIRK CLAIM IN NE PART OF>

* ESSENTIAL INFORMATION
+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 < CU, AG, PB, ZN >
ORE MINERALS C30 < PYRITE, SPHALER, POLYBASITE, SILVER, CHALCOPYRITE, RUBY SILVER, ARGENTITE, AU >
COMMODITY SUBTYPES C41 <
GEN. ANALYTICAL DATA C43 <
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

	PRODUCER	NON-PRODUCER
MAJOR PRODUCTS	MAJOR < AU, AG >	MAIN COMMODITIES PRESENT C11 < >
MINOR PRODUCTS	MINOR < CU, ZN, PB >	MINOR COMMODITIES PRESENT C12 < >
POTENTIAL PRODUCTS	POTEN < >	
OCCURRENCES	OCCUR < >	OCCURRENCES OCCUR < >

*PRODUCTION

PRODUCER	NON-PRODUCER
PRODUCTION (YES) (circle) PRODUCTION SIZE (SML) MED LGE (circle one)	PRODUCTION UND NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

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

DISCOVERER L20 <
YEAR OF DISCOVERY L10 < 1869 (POVERTY) > NATURE OF DISCOVERY L30 < B > YEAR OF FIRST PRODUCTION L40 < 1874 > YEAR OF LAST PRODUCTION L45 < 1961
PRESENT/LAST OWNER A12 < VAN HOOK MINING CO. (1943), CASPARI (1926), LOOKOUT COPPER CO. (1918), CASTLE COPPER
PRESENT/LAST OPERATOR A13 < DAVIS MINE - CLARK (1900-1907), CASPARI (1913-1925), DAVIS-DUNKIRK INC. (1923-1935),
EXP../DEV. COMMENTS L110 < IN 1918 THE POVERTY, DAVIS, AND DUNKIRK ARE SEPERATE MINES THAT WERE LATER GROUPED TOGETHER. LISTED AS CLAIMS OF THE DAVIS-DUNKIRK ARE, DUNKIRK, WEST DUNKIRK

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 < VEIN
DEPOSIT FORM/SHAPE M10 < TABULAR
DEPTH TO TOP M20 < > UNITS M21 < > MAXIMUM LENGTH M40 < 1 > UNITS M41 < MI
DEPTH TO BOTTOM M30 < > UNITS M31 < > MAXIMUM WIDTH M50 < 1600 > UNITS M51 < FT
DEPOSIT SIZE M15 < (SMALL) M15 < MEDIUM > M15 < LARGE > (circle one) MAXIMUM THICKNESS M60 < 5 > UNITS M61 < FT
STRIKE M70 < N60E TO N45E > DIP M80 < NEAR VERTICAL TO STEEP LY SE >
DIRECTION OF PLUNGE M100 < > PLUNGE M90 <
DEP. DESC. COMMENTS M110 < TWO MAIN VEINS CALLED THE DAVIS AND THE DUNKIRK. AT MOUTH OF TUNNEL ON THE NEW ERA CLAIM (DAVIS MINE), ONLY ONE VEIN IS PRESENT. THIS VEIN PERSISTS FOR 1400 FT TO THE NORTHEAST, WHERE IT SPLITS >

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one) OVERALL LENGTH M190 < 4,000 > UNITS M191 < FT
DEPTH BELOW SURFACE M160 < 1600 > UNITS M161 < FT > OVERALL WIDTH M200 < > UNITS M201 <
LENGTH OF WORKINGS M170 < 13,000 > UNITS M171 < FT > OVERALL AREA M210 < > UNITS M211 <
DESC. OF WORK. COM. M220 < 23 TUNNELS ALONG THE STRIKE OF THE VEIN. 13,000 FT ON VEIN, OVER 8,000 FT OF DRIFTS ON THE VEIN AND 3,000 FT OF RAISES AND SHAFTS. THE PORTALS OF THE TUNNELS VARY IN ELEVATION FROM 6200 TO 7600 FT. >

GEOLOGY

AGE OF HOST ROCK(S) K1 < P.R.O.T., T.E.R.T., W. U/PB ZIRCON GREATER THAN 1760 MILLION YEARS; UNDATED >
HOST ROCK TYPE(S) K1A < AMPHIBOLITE, MINOR SCHIST; RHYOLITE >
AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., T.E.R.T., W. U/PB ZIRCON GREATER THAN 1760 MILLION YEARS >
IGNEOUS ROCK TYPE(S) K2A < META-BASALT; RHYOLITE >
AGE OF MINERALIZATION K3 < C.R.E.T.-P.A.L.E.O., W. >
PERT. MINERALS (NOT ORE) K4 < QUARTZ, PYRITE, ANKERITE >
ORE CONTROL/LOCUS K5 < FAULTING, SHEARING >
MAJ. REG. TRENDS/STRUCT. N5 < FOLIATION IN PRECAMBRIAN ROCKS TRENDS N25E >
TECTONIC SETTING N15 <
SIGNIFICANT LOCAL STRUCT. N70 < DIKES AND VEINS PARALEL FOLIATION >
SIGNIFICANT ALTERATION N75 < NONE TO MINOR SILICIFICATION IN WALL ROCKS >
PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR SURFACE >
FORMATION AGE N30 < P.R.O.T., W. U/PB ZIRCON GREATER THAN 1760 MILLION YEARS >
FORMATION NAME N30A < UNDIFFERENTIATED GREEN GULCH VOLCANICS >
SECOND FM AGE N35 < W. >
SECOND FM NAME N35A <
IGNEOUS UNIT AGE N50 < C.R.E.T.-T.E.R.T., W. >
IGNEOUS UNIT NAME N50A < UNNAMED RHYOLITE DIKES >
SECOND IG UNIT AGE N55 < P.R.O.T., W. U/PB ZIRCON EQUAL 1770 MILLION YEARS >
SECOND IG UNIT NAME N55A < GOVERNMENT CANYON GRANODIORITE >
GEOLOGY COMMENTS N85 < DEPOSIT IS VEIN WHICH CUTS PRECAMBRIAN METAVOLCANIC AND METASEDIMENTARY ROCKS. RHYOLITE PORPHYRY DIKES OF PROBABLE CRET-TERT AGE ASSOCIATED WITH VEINS. GOVERNMENT CANYON GRANODIORITE >

GENERAL COMMENTS

GENERAL COMMENTS GEN <

May 27, 1957

VAN HOOK MINE
Formerly - Davis Mine,
Davis-Dunkirk Mine
Murphy Mine
Poverty

YAVAPAI COUNTY

This property inactive.

MARK GRUNCILL

REPORT ON THE

DAVIS-DUNKIRK MINE

YAYAPAI COUNTY, ARIZONA

FOR

INTERNATIONAL BRENMAC DEVELOPMENT CORP.

MARCH 4, 1983

FRANK H. BUCHELLA, JR. P.E.

MINING CONSULTANT

4312 E. BLANTON RD.

TUCSON, ARIZONA 85712

TABLE OF CONTENTS

	Page
Introduction	
Visitation	2
Location	2
History	2
Property	4
Geology	
Regional	4
Local	6
Mineralization	7
Recommendations	
Conclusions	8
Proposed Work	9
Cost Estimate	9
Certificate	10

ILLUSTRATIONS

Figure 1 - Location	1
Figure 2 - Claim Map	5

INTRODUCTION

Visitation

The Davis-Dunkirk Mine was visited on February 24, 1983 accompanied by Mr. Charles Porter of Prescott, Arizona. A study was made of the terrain, area geology and sites for surface facilities. An inspection was made of the #1 and #5 adits of the Dunkirk vein and the #13 adit of the Davis vein. Samples were taken in the Dunkirk #1 adit and the Davis #13 adit.

Location

The Davis-Dunkirk Mine is located in the Hassayampa Mining District, Yavapai County, Arizona, ten miles south of Prescott and seventy miles north of Phoenix. The property is located at the head of Slate Creek in the Prescott National Forest on the western slope of Mr. Tritle in the Bradshaw Mountains.

Access to the property is south from Prescott, twelve miles on the Senator Highway by an improved dirt road, then one and one-half miles west on an unimproved dirt mountain road. This stretch of road is closed by snow during the winter.

The topography in the area is very steep with an elevation ranging from 6500 to 7500 feet above sea level. The vegetation is predominately oak, pine and low forest growth.

History

The Bradshaw Mountains were invaded by gold-seeking placer miners in 1863. Some gold deposits were found along the Hassayampa River, but the gravels were not rich and this early mining left

no permanent imprint on the region. The first lode mining began about 1875. This second epoch of discoveries and mining was initiated by prospectors from the Comstock. The development was stimulated by the building of the railroads in 1881. Many small smelters were built but the larger part of gold and silver produced in the earlier years was derived from local mills. About 1885, many of the rich oxidized ore bodies were worked out and leaner ore was found in depth, however the activity continued until 1905. Since that time, a gradual decline in mining has taken place in the Bradshaw Mountains.

The veins of the Davis-Dunkirk Mine were located in late 1860's and early 1870's. A seven and a half ton load from pits on the Davis vein was shipped to San Francisco in 1874. Little other historical data from the mine is available, but its production prior to 1922 was said to be $200,000 using $20 gold and $0.65 silver. In 1925 the property was obtained by Davis-Dunkirk Mines, Inc. A new camp and a 120-ton flotation mill were built. Operation began in August 1933 and continued until sometime in August 1934. Smelter settlement sheets indicate that 427 tons of concentrates were shipped during this period yielding an average of $41 per ton of concentrates. The Bradshaw Mines Inc. obtained the property in 1934 and shipped $104,852 in value up to March of 1936 of which four-fifth of the value was gold. Some lease mining has been done since that date, mostly from the Davis #15 adit. The Davis #13 adit was rehabilitated and the draft was extended in the early seventies.

Workings on the property consist of more than 6,000 feet of adits, raises, stopes and winzes, distributed over about four claim-lengths with a vertical range of 1,600 feet.

Property

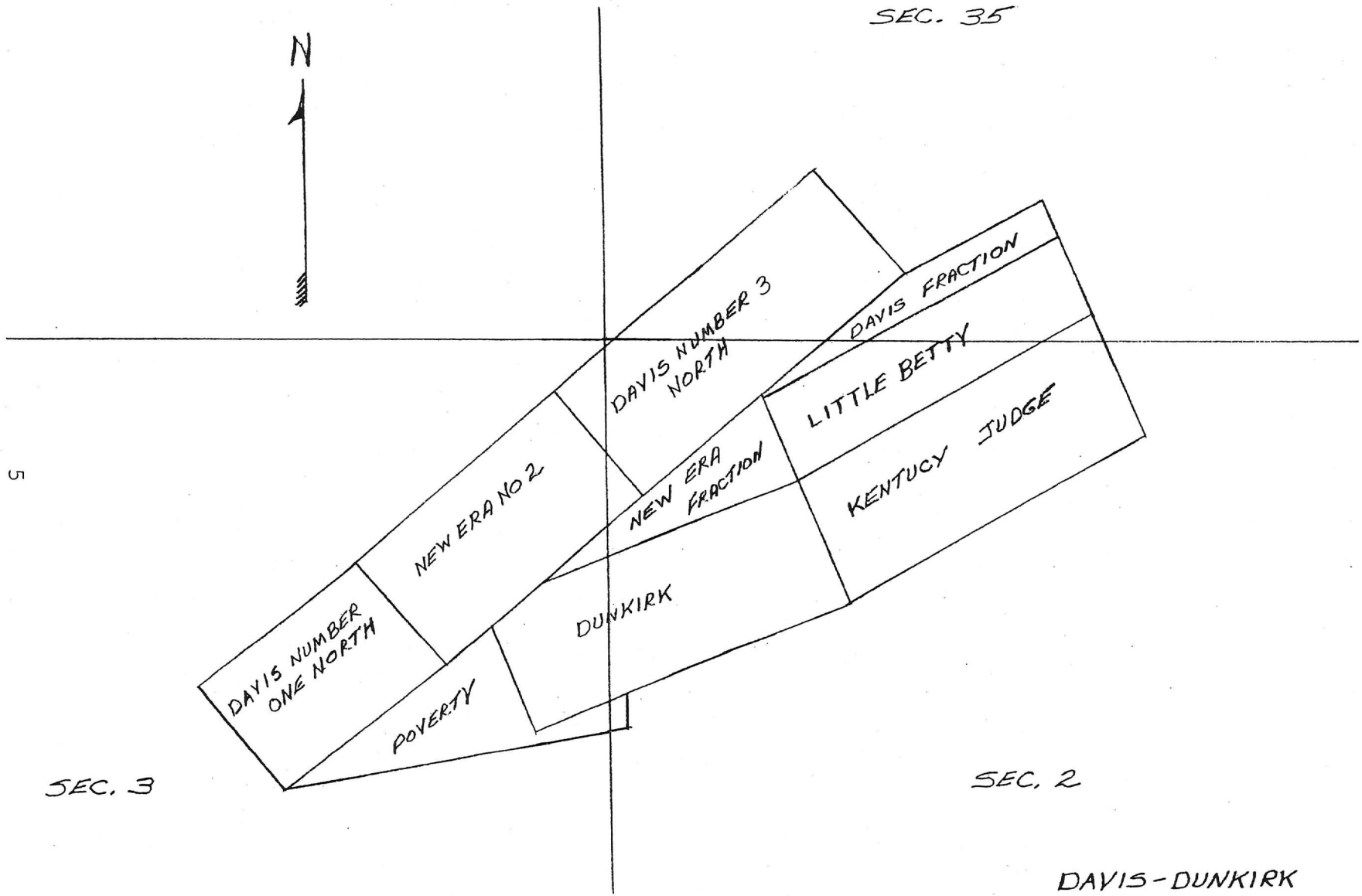
The property consists of six patented claims and three unpatented fractions in sections 2 and 3, Range 2W, Township 12N and section 35, Range 2W, Township 12½N, of the Gila and Salt River Meridian, Arizona. All the claims lie on Federal Forest Service Land. The unpatented fractions are recorded with the Bureau of Land Management in Phoenix. The listing of claims is as follows and are shown on Figure 2.

Davis No. 1 North	M. S. #1691	Patented
New Era No. 2	M. S. #1691	Patented
Davis No. 3 North	M. S. #1690	Patented
Little Betty	M. S. #2420	Patented
Dunkirk	M. S. #2420	Patented
Kentucky Judge	M. S. #2420	Patented
Poverty		Unpatented
New Era Fraction		Unpatented
Davis Fraction		Unpatented

GEOLOGY

Regional

The Bradshaw granite of Mount Union forms a broad dikelike mass extending northeastward between two areas of Yavapai schist.



DAVIS-DUNKIRK
FIGURE 2
3-83 FHB

In the extreme northwest corner of the Bradshaw Mountains the pre-Cambrian granite appears and continues northward to Prescott. The belt of Yavapai schist between these two granites contains most of the mines, though some are also found in the easterly granite area south of Mount Union.

The Yavapai includes sericitic, chloritic, and amphibololitic schist, but the amphibololitic type is predominant. The schists are intruded by several smaller masses of diorite and gabbro and also by a smaller mass of granodiorite. The strike of the schists is north-northeast, the dip steep. Granite and schist are intruded by a series of light-colored dikes of rhyolite porphyry, which stands in closest relation to the ore deposits. The strike of these dikes ranges from north to northeast. Few of them are wider than 100 feet.

The ore deposits are almost exclusively fissure veins and carry gold and silver. The veins on northern slopes of Mount Tritle and Mount Union are closely connected with the rhyolite prophyry dikes. These veins are much younger than the pre-Cambrian deposits and probably are of Tertiary age.

Local

The host rock in the Dunkirk Mine is predominately pre-Cambrian schist intruded by stocks and dikes of granodiorite and diorite with a few dikes of rhyolite-porphyry. The Dunkirk vein occurs within a fault fissure that strikes northeastward and dips nearly vertically southeastward. The Davis vein is of a later origin than the Dunkirk vein and is a fracture in the diorite and not a true fissure.

There is no gouge along the walls and the ore is frozen to the walls.

The thickness of Dunkirk vein ranges from a few inches to about three feet. The filling is mainly coarse-grained grayish-white quartz with abundant pyrite and chalcophrite. In places, coarsely crystalline pale-pinkish ankerite is the principal gangue. Intense sericitization and silicification are apparent in the wall rock. Ore shoots tend to be somewhat irregular in form and distribution. The silver appears to decrease with depth. At a point 1400 feet in from the portal of the lower adit, the vein separates into two branches about 45° apart. The left branch of the vein continues northeastward toward the Davis vein. The vein is shallow seated and belongs to the mesothermal type. Ore from the upper portion of the vein consists of the fine-grained, druzy quartz with sparse pyrite and yellow sphalerite with abundant grains of prousite and polybasite.

The Davis vein is a wide vein with several streaks of ruby silver ore. The ore consists of fine-grained quartz with many small druses and included greenish fragments of sericitic country rock. The ore minerals are sparse pyrite and yellow sphalerite in small agregates. There are many grains of arsenical ruby silver and a black mineral defined as polybasite. The silver minerals appear to be primary.

Mineralization

According to a report by James H. Henley in 1926, the two veins contained 214,343 tons of $10 rock. From observations made on the

inspection of the workings, it appears that 70% of this ore is still intact and could be mined from the existing adits or by driving some new drifts. Based on these estimates, there should be about 150,000 tons of $200 ore based on todays prices of gold and silver. Additional tonnage should be available by extending the workings further to the east.

Three samples were taken along the vein in the Davis #13 adit although the vein was not accessible due to the high back. One sample was taken from an old muck pile at the east end of the vein in the Dunkirk #1 adit. These samples are not considered representative of the veins. The results were:

Sample	Description	Assay (Oz/Ton)	
3086	Davis #13 adit - 500' from portal - 2' wide vein	TR 1.80	AU AG
3087	Davis #13 adit - 400' from portal - 3' wide vein	.03 .25	AU AG
3088	Davis #13 adit - 330' from portal - 18" wide vein	.06 .70	AU AG
3089	Dunkirk #1 adit - much pile-east end of drift	.002 2.30	AU AG

RECOMMENDATIONS

Conclusions

Based on a property visitation and the review of report on the Davis-Dunkirk veins and the surrounding area, the following conclusions are drawn:

1) The property contains two well developed mineralized veins with substantial horizontal and vertical lengths.

2) Ore can be extracted in a short period of time and at a low cost by rehabilitating the existing adits.

3) New adits can be driven on the vein to develop additional ore.

4) It appears that 150,000 tons of $200 ore is available for development and additional reserves can be developed by extending drifts on the vein.

5) The ore is amenable to flotation with good recovery.

6) The property has one of the better potentials for profitability in the Prescott area, if it is developed correctly.

7) A low cost, short term evaluation program would be required to prove the property.

Proposed Work

Based on observations made on the property visitation, the following work should be performed to determine the economic feasibility for developing the Davis-Dunkirk Mine.

1) Open the Dunkirk #3 and #4 adits and the Davis #15 adit. Gain access to the Davis #6 adit from the property owners.

2) Sample and assay the Dunkirk #1, #3 and #4 and the Davis #6, #13 and #15 adits.

3) Prepare a feasibility study.

Cost Estimates

Open existing workings	$15,000
Sample drifts	3,000
Assaying	2,000
Feasibility study	5,000
Total	$25,000

Time to complete - 2 months

CERTIFICATE

I, F. H. Buchella, Jr., do hereby certify:

1) That I am a consulting mining engineer with business office at 4312 E. Blanton Road, Tucson, Arizona 85712.

2) That I am a graduate in mining of the University of Arizona (B.Sc. - 1955).

3) That I am a Registered Professional Engineer (Mining) in the State of Arizona (#13158) and the State of Nevada (#5763).

4) That I am a member of the Society of Mining Engineers of the American Institute of Mining, Metallurgical and Petroleum Engineers and Mining Club of the Southwest.

5) That I have practiced my profession as a mining engineer for the past twenty-eight years.

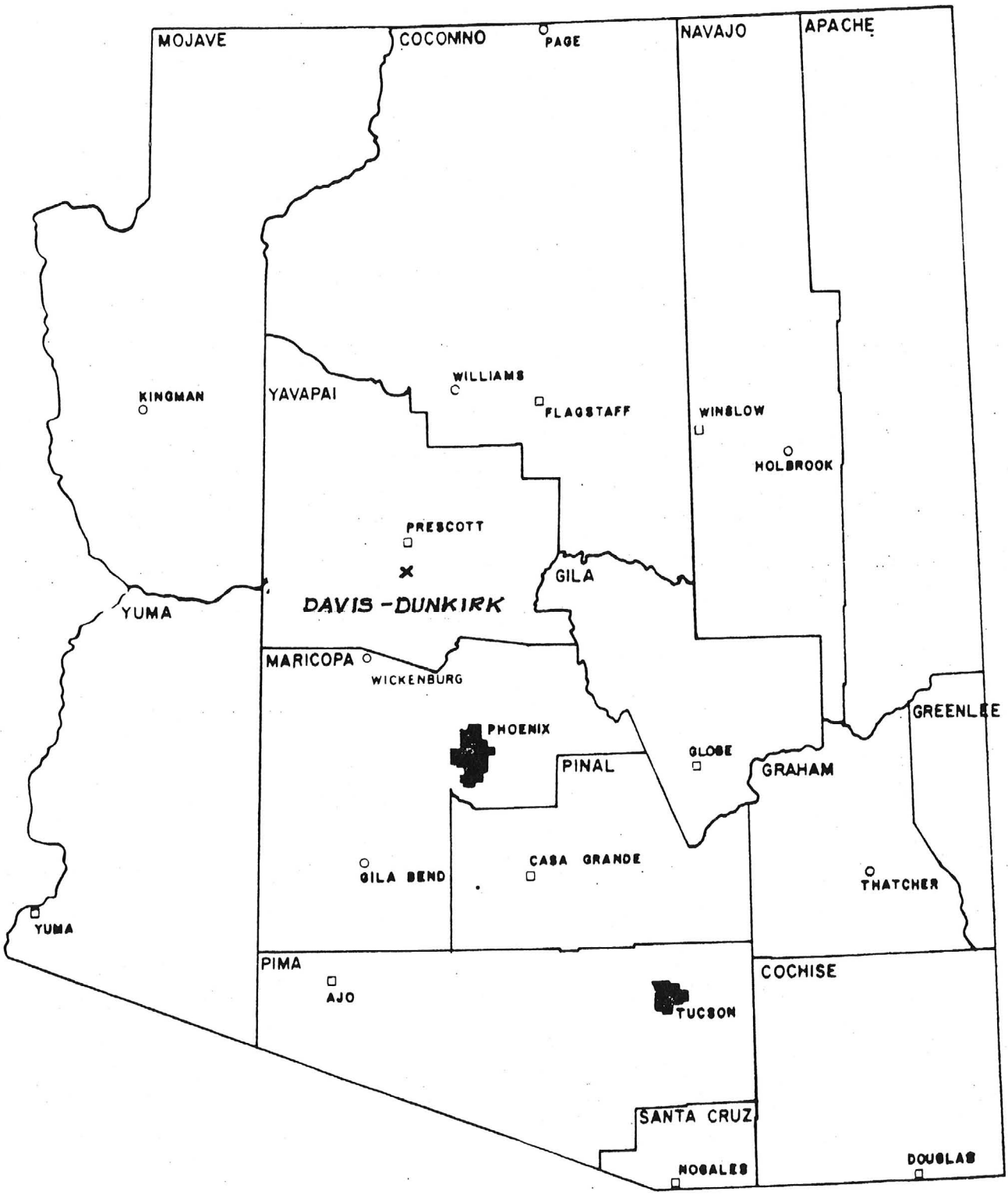
6) That the information, opinions, and recommendations in the attached report are based on personal observations made on the Davis-Dunkirk Mine between February 17 and 28, 1983.

7) That I own no interest in the Davis-Dunkirk Mine, nor in the shares or securities of International Brenmac Development Corp., nor do I expect to receive any such interest.

Registered Professional Engineer
CERTIFICATE NO.
13158
FRANK H.
BUCHELLA, JR.
Signed 3/4/83
ARIZONA, U.S.A.

F. H. Buchella, Jr.

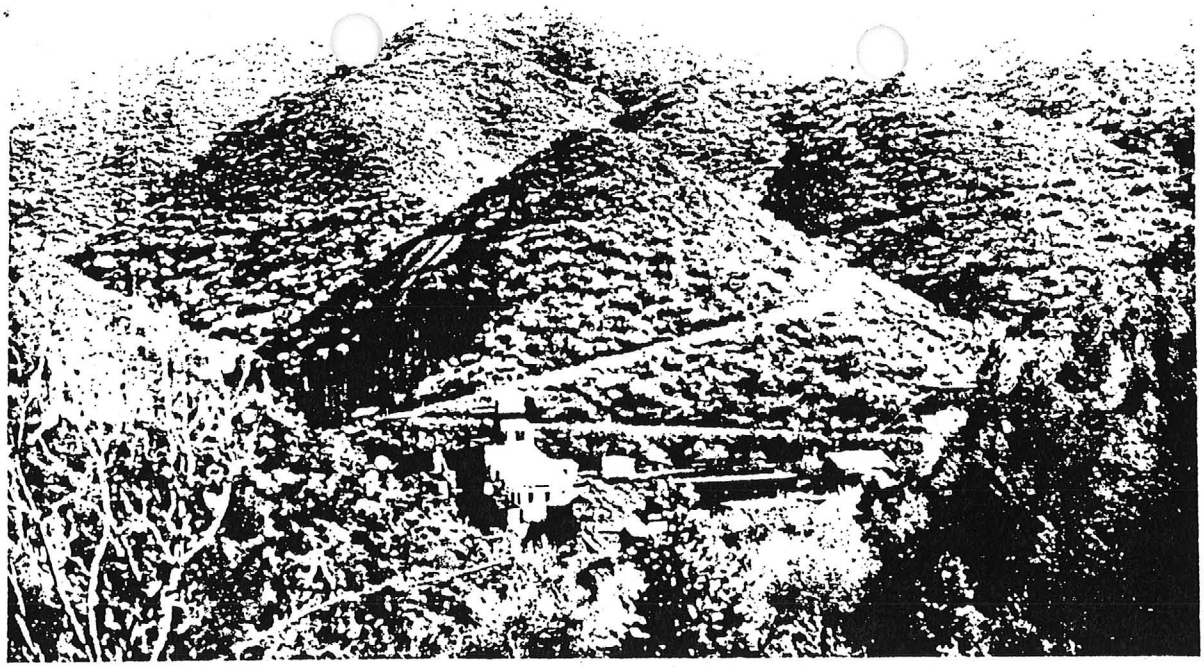
Dated at Tucson, Arizona, this 4th day of March, 1983



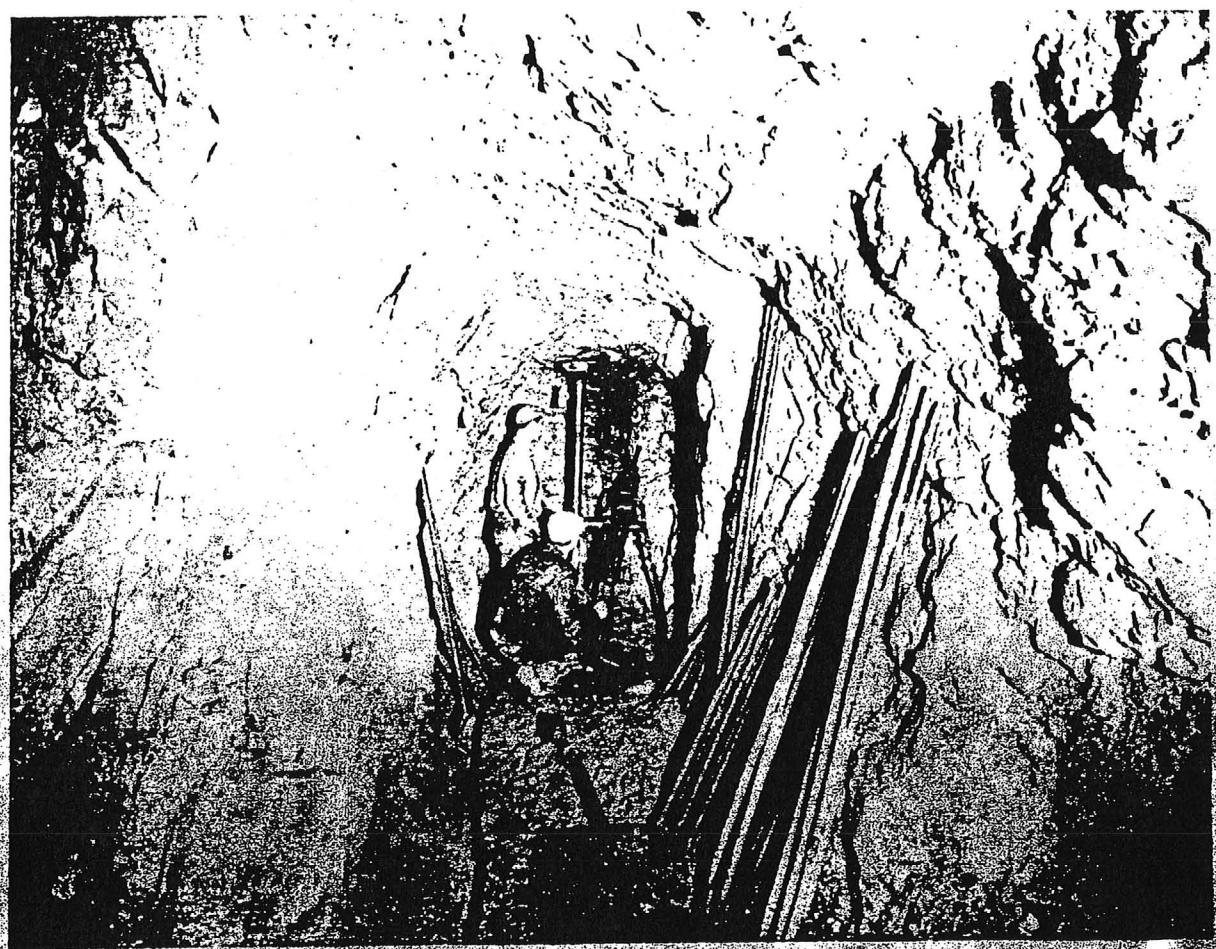
SCALE IN MILES
0 10 20 50

FIGURE 1
LOCATION MAP-ARIZ.

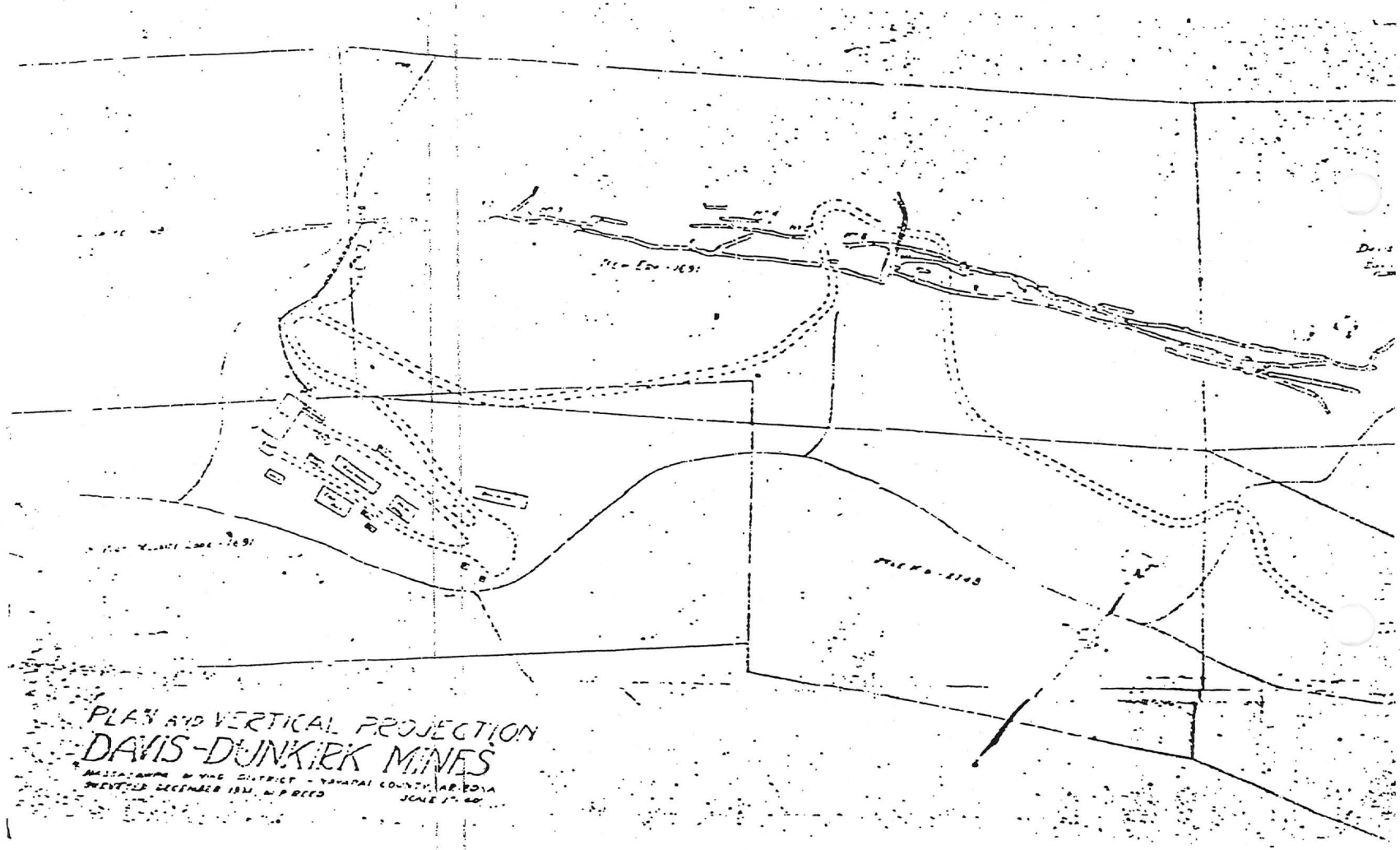
SCALE	DATE: 2-83	APPROVED	
H: 1" = 40MI	DRAWN BY: FHB		
V:	CHECKED:		

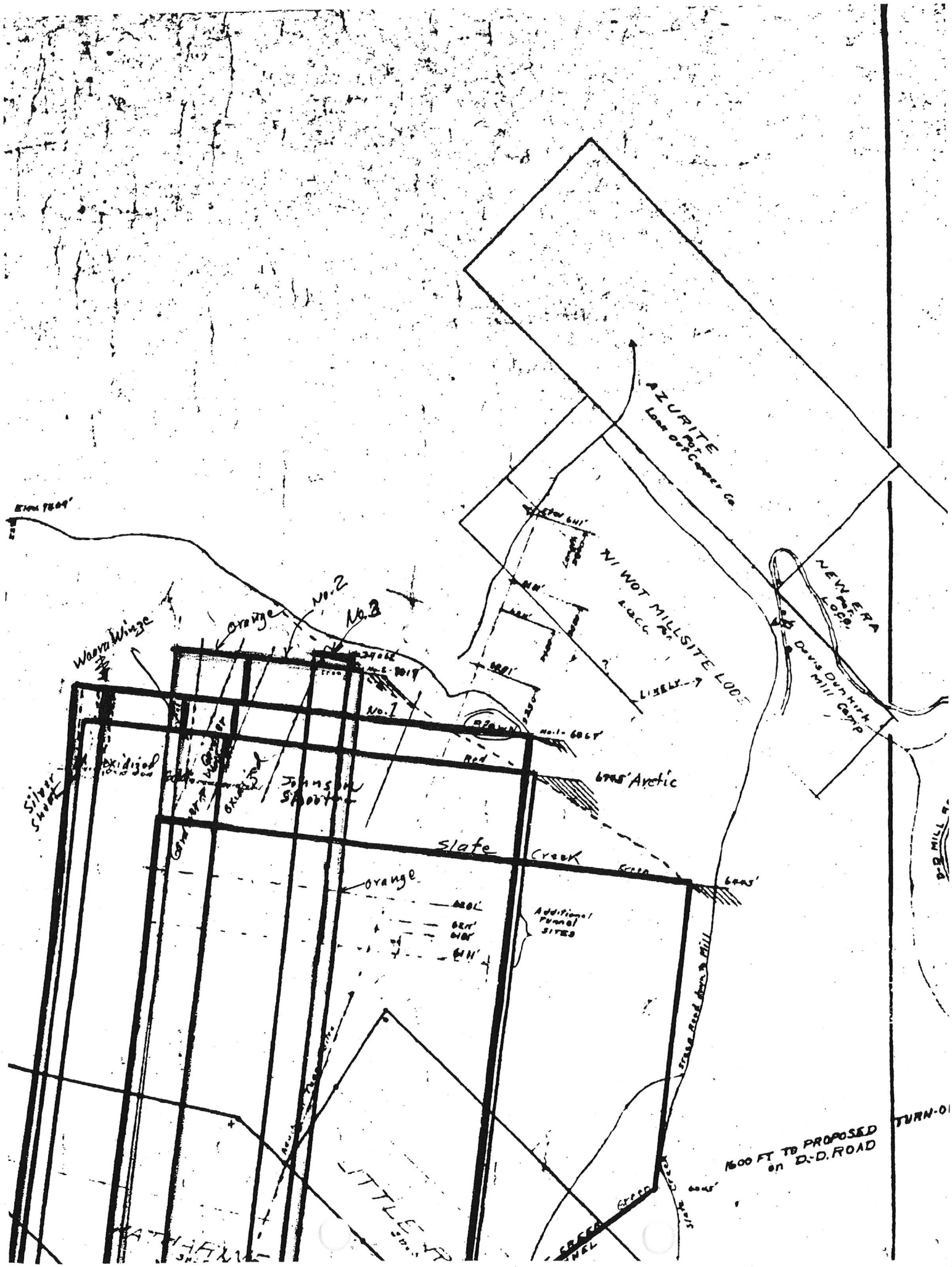


PANORAMA OF DAVIS-DUNKIRK
MINE AND CLAIMS



FACE OF DAVIS-DUNKIRK MAIN TUNNEL IN ORE
FULL WIDTH OF TUNNEL ASSAYING OVER $20


PLAN AND VERTICAL PROJECTION
DAVIS-DUNKIRK MINES


AZURITE
Lode of Copper Co.
NEWERA
Lode
Davis Dunkirk
Mill Camp
N/ WOT MILLSITE LODE
LIKELY
Wawa Wings
Orange
No.2
No.3
No.1
Silver
Shoot
Johnson
Shoot
Arctic
Slate Creek
Orange
Additional
Furnace
Sites
Slate Road down to Mill
1600 FT TO PROPOSED
on D.-D. ROAD
TURN-O
LITTLE

ESSEX INTERNATIONAL Date 2/24/83
LOCATION DAVIS
DESCRIPTION

#13 ADIT
#3

ASSAYS

Au - Ag
.056 .70

№ 3088 A

~~ESSEX INTERNATIONAL~~ Date 2/24/83
LOCATION DAVIS
DESCRIPTION

#13 ADIT
#1 SAMPLE

ASSAYS

Au - Ag
TR 1.80

№ 3086 A

~~ESSEX INTERNATIONAL~~ Date 2/24/83
LOCATION DUNKIRK
DESCRIPTION

POVERTY ADIT
SAMPLE EAST END
DUNKIRK VEIN

ASSAYS

Au - Ag
.002 2.30

№ 3089 A

ESSEX INTERNATIONAL Date 2/24/83
LOCATION DAVIS
DESCRIPTION

#13 ADIT
#2

ASSAYS

Au - Ag
.036 .25

№ 3087 A

December 6, 1943

Mr. A. C. Van Hook, Supt.
Van Hook Mining Co.
Box 53
Prescott, Arizona

Dear Sir:

In accordance with your request of December 2 we are sending under separate cover four copies of W.P.B. form 2465 to be used in setting up your application for advance copper premium.

This application must be made before December 31, 1943 in order to receive consideration by Quota Committee.

Yours very truly,

George A. Ballam
Assistant to the Director

GAB:LP

Dec 2 1943

Arizona Dept. of Mineral Resources
Phoenix Ariz

DEPT. MINERAL RESOURCES
RECEIVED
DEC 6 1943
PHOENIX, ARIZ.

Mr. Compiel

Mr Brown your field engineer of this district was at our property to day. During course of conversation he stated your dept. had application forms for additional premiums on copper on ~~hand~~ hand.

Would you please send forms to me.

Mr. Brown seems to be doing an excellent job for small operators of this district, one of few bright spots now, any how.

Yours
A Van Hook
Supt
Van Hook Mining Co
Box 5-3
Prescott Ariz

We have zero quota and 17# copper now.

May 31, 1943

DEPT. MINERAL RESOURCES
RECEIVED
JUN 2 1943
ARIZ. CITY
PHOENIX

Memorandum

To: Earl F. Hastings

From: B. W. Brown, Field Engineer

Subject: Application by A. C. Van Hook for a $5000 accessibility loan to reopen the Poverty Mine.

Mr. A. C. Van Hook will, in the very near future, submit an application for an accessibility loan for the amount of $5000 to reopen the old workings on the Poverty claim for the purpose of making accessible ore containing goodly copper values.

Mr. Van Hook has had twenty years of varied mining experience, the last ten of which were spent in positions of responsibility. He is experienced in the mining of copper ores and has held positions in mine management and supervising. I believe he is well qualified to execute the project proposed in his application.

B. W. Brown

B. W. Brown, Field Engineer

December 22, 1943

Mr. A. C. Van Hook
Box 53
Prescott, Arizona

Dear Mr. Van Hook:

Thank you for your Mine Owner's Report on the Van Hook Mine.

I am enclosing a copy of the report, as we have placed the original in our files and will have other copies available to submit when we receive any inquiries which might be interested in your property.

Yours very truly,

J. S. Coupal, Director

JSC:LP
Enc.

December 14, 1943

Mr. A. C. Van Hook
Van Hook Mining Co.
Box 53
Prescott, Arizona

Dear Mr. Van Hook:

Thank you for your letter of December 8 regarding the Old Davis-Dunkirk Mine.

I am enclosing a Mine Owern's Report form which I would like to have you fill out in complete detail and, if possible, furnish this office with any maps or reports which might be of value in listing your property for possible gold property inquiries.

In order to properly present a gold property it is going to be necessary to have rather complete information. It will be to your interest to make this information as complete as possible and we will then be in better position to assist you.

Yours very truly,

J. S. Coupal, Director

JSC:LP
Enc.

Box 55
Prescott Arizona
Dec 8 1943

Arizona Dept of Mineral Resources
Att. Mr. Compat
413 Home Insurance Bldg
Phoenix Arizona

DEPT. MINERAL RESOURCES
RECEIVED
DEC 10 1943
PHOENIX, ARIZONA

Mr Compat:

I understand your dept is compiling a listing of all possible gold producers for after the war.

I want our property on that list.

It is old Hassayampa Junk Mine which has more or less continuous production record since 1890 - copper gold silver. Property is located Hassayampa District Yavapai County 15 miles from Prescott on Senator Highway.

We would sell property - if right price

At present time we are working County mine on property under R.F.C. loan.

Yours
Adam Hoots Capt.

Van Hoots Mining Co.
Box 55
Prescott Ariz.

May 31, 1943

MEMORANDUM

To: Earl F. Hastings

From: B. W. Brown, Field Engineer

Subject: Application by A. C. Van Hook for a $5000 accessibility loan to reopen the Poverty Mine.

Mr. A. C. Van Hook will, in the very near future, submit an application for an accessibility loan for the amount of $5000 to reopen the old workings on the Poverty claim for the purpose of making accessible ore containing goodly copper values.

Mr. Van Hook has had twenty years of varied mining experience, the last ten of which were spent in positions of responsibility. He is experienced in the mining of copper ores and has held positions in mine management and supervising. I believe he is well qualified to execute the project proposed in his application.

/s/ B. W. Brown

DAVIS-DUNKIRK YAVAPAI COUNTY

KAP WR 5/6/83: Ontained cumulative production data for the Davis Dunkirk Mine, Hassayampa District, Yavapai County. A separate report was prepared.

KAP WR 8/5/83: Ed Loeswicks, who referred to himself as a potential investor, indicated that Great Southern Mines, office in North Hollywood, California, is again trying to raise money for work at the Davis Dunkirk MIne.

RRB WR 11/11/83: Mike Hall of ALANCO was in for information about the Davis Dunkirk, Yavapai County. He had the file reproduced.

Mrs. Hallmark and daughter came in to discuss the Davis-Dunkirk mine about 15 miles south of Prescott. She was advised to contact a consulting engineer or geologist. GW WR 9/1/76

Mrs. Hallmark and daughter returned to further discuss theDavis-Dunkirk mine. It was suggested she deman certain factual information from the people offering the mine for sale. It appears the present owners are R-C Land Co, Ernest Ralls, principal of Mesa; John Williams, trustee. GW WR 9/2/76

KAP WR 5/14/80: The Davis Dunkirk Mine, Hassayampa District, Yavapai County, is in active exploration and development by an unknown group. Work thus far appears to have consisted of improving the raods, creating a mill site and home site, and construction of a new home. Rumors are that a mill is planned to treat ores which are reportedly on the property.

NJN WR 6/19/81: Jeff Tognoni, Phoenix, was in inquiring about the Davis-Dunkirk Mine (file), Hassayampa District, Yavapai County. He was interested in signs of recent activity, condition of the workings, and the size of the dumps on the property.

NJN WR 11/13/81: H. M. Coggin reported that Frank Montonati was driving a cross-cut drift at the Davis Dunkirk, Yavapai County. If the vein has good value where they intersect it, they will drift on it. If not, they will abandon their efforts.

RRB WR 4/16/82: In the company of Ken Phillips visited with Frank Montonati and saw the Davis-Dunkirk Mine that Mr. Montonati is doing exploration work on for clients.

NJN WR 11/5/82: Bob Raise reported that Hawaii Capital Fund Lmtd. has been raising funds for and has a substantical interest in the Davis-Dunkirk Mine, Yavapai County.

KAP WR 11/26/82: Orville Gould, Enterprise Company, 616 S. Santa Fe, Santa Ana, California 92705 requested information on permitting for an underground mining and milling operation at the Davis-Kinkirk Mine.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Davis Dunkirk

Date May 3, 1983

District Hassayampa

Engineer Ken A. Phillips

Subject: Recorded production

Recorded production from the Hassayampa Mining District, Yavapai County according to an abstract of U.S. Bureau of Mines data was obtained from the Arizona Bureau of Geology and Mineral Technology.

Production is recorded for the period

Cumulative totals are:	Tons of ore	40,595
	Pounds of copper	619,148
	Pounds of lead	9,512
	Troy ounces of gold	5,890
	Troy ounces of silver	328,658
	Pounds of Zinc	57,941

The following mines or mining claims in the district contributed to the production: Davis Dunkirk Group

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine: Davis Dunkirk Date: April 14, 1982

District: Hassayampa Engineer: Ken A. Phillips & Richard R. Beard

Subject: Underground exploration work by Frank Montonati

Frank Montonati, M-Company (an underground mining contractor) is working under contract on the Davis Dunkirk Mine.

The property is held under least by GSM also known as Great Southern Mining.

Current work consists of cleaning out and sampling the Davis #1 drift which is the lowest old level (drift) and driving a crosscut to the vein on a new level 100 feet below the Davis #1 level and then drift on the vein. At the time of visit, the first sixty feet of the Davis #1 had been cleaned out and progress was awaiting track. At the new level, rubber tire equipment is being used. The crosscut portal is located on the north-west side of Slate Creek. The crosscut intersected the vein at about 100' in. About 120' have been driven on the vein to the northeast. The vein is in the back of the drift.

The vein in the back of the new drift varies in width from 0.5' to 5' and probably averages 3'. The vein contains sulfide in quartz-pyrite, chalcopyrite, pyrargyrite, and galena. Some sulfide particles are visible in the altered schist which makes up the wall rock. The vein appears to be in a fissure in Precambrian schist.

Values range as follows:

Gold	0.05 - 2.0 tr.oz/ton
Silver	.4 - 17 tr. oz/ton
Copper	2 - 8%
Lead	0 - 2%
Zinc	0 - 0.2

Frank Montonati reported some probable ore has been blocked out.

cc: Tucson Office

DAVIS-DUNKIRK MINE YAVAPAI COUNTY

Mrs. Van Hook is applying for OME assistance to explore her Davis-Dunkirk property.
Prescott Conf. FTJ 5-17-67

Ariz. Republic 1/26/75

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Granted

Mine	POVERTY, Cu., Ag. Formerly Davis Mining Company	Date	June 9, 1943 P. 1
District	Hassayampa	Engineer	Earl F. Hastings

Subject: Reconstruction Finance Corporation
Mine Loan

Docket No.	Phoenix C-207
Date Application Received	June 7, 1943
Date of Field Examination (B. W. Brown)	May 30, 1943
Date of Report	June 9, 1943

1. Name and address of applicant (correspondent):
A. C. Van Hook, Box 53, Prescott, Arizona.

2. Character of project and estimated cost thereof:
Cu. Ag. Reopen Poverty #1 tunnel and main drift to drain water and expose ore. $5000.00.

3. Location of property:
Hassayampa Mining District, Yavapai County, Arizona.

4. Applicant's interest in or ownership of property:
Applicant is owner by location.

5. Loan requested:
$5000.00.

6. Loan recommended:
$1500.00.

7. Comments:
(A) Added to the docket is:

1 - Report by Bahngrell W. Brown, Field Engineer, Department of Mineral Resources dated May 30, 1943.

2 - Memorandum from same dated May 31, 1943.

(B) Notations in red on the section map are by the writer.

(C) Samples #1, #7, and "C" are alone representative of mineable ore. The balance represent pillars or marginal stope extensions. The ore width is stated to be 15" to 24", but width of individual samples is not given. Allowing an average of 18" for these three samples a possible 1000 tons of ore remains between the main and upper tunnel levels. Condition of drift faces is not stated so lateral development possibilities are unknown; "C" samples being in the main near the face on both levels would lend to the belief that lateral development offers possibility unless some undescribed fault or other condition has limited the ore.

(D) The #2 block, of unknown dimension, above the upper tunnel and directly over the open stope and block #1 (as indicated on the map) offers further production

JUNE 9 1943 P.2

possibilities. This area is insufficiently sampled, and is lacking in measurement, to the extent that it cannot be calculated.

(E) Other than the cave at the portal no other caving is indicated in the upper tunnel. It should therefore be easily made accessible.

(F) It is considered that this property offers interesting prospects of a silicious copper ore production, but that the data is too vague and incomplete to warrant the expenditure estimated to rehabilitate the workings. It is further considered that a thorough sampling of the upper tunnel level would materially add to the basic data required for the evaluation of this property.

(G) It is recommended that a loan of $1500.00 be granted for the reopening and sampling of this level.

(H) The U.S.G.S. Bulletin #782 and the Arizona Bureau of Mines Bulletin #137 are not fully agreed as to vertical development possibilities of this particular mineralization. The commercial value of ores on the upper horizons therefore becomes doubly important.

Arizona Department of Mineral Resources

Earl F. Hastings, Projects Engineer

STATUS OF DORMANT MINES

MINE NAME: DAVIS-DUNKIRK

LOCATION: Hassayampa Dist 14 miles So Prescott Yavapai Co

OWNER ~~AND/OR LEASE~~: R.C. & Martha Van Hook - Jess Sutton

ADDRESS: P.O. Box 53 Prescott

APPROXIMATE PRODUCTION (Year of 1945):

COPPER 4000 Lbs. LEAD _____ Lbs.

ZINC _____ Lbs. (OTHER) Gold & Silver

CHECK THE CHIEF CAUSE OF YOUR DISCONTINUED PRODUCTION:

(A) Easily available ore worked out.
(B) Increased costs, but have quantity similar to past grade of ore.
(C) Too close a margin to develop more ore.
(D) _____

need Mill for most economical operation since closing of Smelter at Clarkdale

If you have ore ready to mine please give your estimate of the amount of metal (name each metal) that you could produce in one year (after allowing 60 days to get started) if there were premiums above present market prices. Name amount with a low premium, and amount at a high premium; such as:

Copper at 22½¢ plus 5¢ premium..... 1,000,000 Lbs.
Copper at 22½¢ plus 10¢ premium..... 1,500,000 Lbs.

Can produce 50 ton day 2½% copper
with premium could produce triple tonnage at 2%

If you do not have ore ready to mine please discuss the following:

(A) Do you think a reasonable development program would produce a justified tonnage of commercial ore at above mine?

yes. Opening lower tunnel 400 would give access to premium ore shoot with 500 ft backs

(B) With a premium price (guaranteed for one year) could you carry out such a development program yourself? What premium?

some of it possibly; how ever need milling plant most as all engineering reports show possible one to and 200-300000 tons 15% or better in lower tunnels above. and I have checked that.

(C) If you could not do this yourself, would a quick drilling program by some government agency (at government expense) be sufficient?

No help

(D) Or would you prefer a loan plan similar to the arrangements during World War II?

development & equipment loan needed

How about a combination plan in two stages such as follows?

Stage 1: Government engineers review project and, if a little drilling appears to be justified and a preliminary key to the situation, such drilling program to be agreed upon by owner and government engineer, paid for by the government, but let by contract.

Stage 2: If results of drilling (or without drilling) justify underground development and/or production equipment, same to be obtainable via a mortgage loan on property.

Please discuss the above:

If money could be obtained for 50 ton mill and some other equipment with mortgage covering only equipment bought with gov funds.

SUGGESTIONS:

Less engineers & more practical mining men in gov. loan dept would help.

DATE Aug 10/50 SIGNATURE A. Van Hook

Prescott Ariz. Alamo Mining & Dev

DEPT. MINERAL RESOURCES
RECEIVED
DEC 21 1943
PHOENIX ARIZONA

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date Dec 17 1943

1. Mine Van Hook Mine
2. Location 15 mi from Prescott on Senator Highway. T-12½ N R 2 W - T 12 N R 2 W Sections 8-34-35
3. Mining District & County Hassayampa - Yavapai Co.
4. Former name Davis Mine; Davis-Dunkirk Mine Murphy Mine
5. Owner Van Hook Mining Co
6. Address (Owner) Box 53 Prescott
7. Operator Same
8. Address (Operator) Mine
9. President, Owning Co. Martha Van Hook
9A. President, Operating Co. Martha Van Hook
10. Gen. Mgr. } H C Van Hook
11. Mine Supt. }
14. Principal Minerals Copper Gold - Silver
15. Production Rate 3 ton shift (present)
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed 2-6
17. Power: Amt. & Type 100 HP Gasoline
18. Operations: Present Stopeing - Poverty Retimbering old stopes
19. Operations: Planned Sinking 100 ft Poverty Claim
20. Number Claims, Title, etc. Nine claims Pat One " " Unpat
21. Description: Topography & Geography Very rough 6000' to 7400' Drainage to Slate Creek
22. Mine Workings: Amt. & Condition 13000' on vein over 8000' on vein (drifts) 3000' raises and shafts (winzes

(over)

Van Hook Mining Co - Apprenership
Martha Van Hook
H.C. Van Hook
Jesse F. Sutton

23. Geology & Mineralization F SURE VIEW OVER AL CLAIMS
COUNTRY ROCK - DIORITE SOME GRANITE
ORE - QUARTZ filling of PYRITE CHALCOPYRITE Poly BASITE
& Ruby SILVER SOME ARGENTITE.

24. Ore: Positive & Probable, Ore Dumps, Tailings
20 000 POSTIVE
500 000 PROBABLE (SWEENY REPORT)
200 000 " (UPPER WORKINGS.)

24A. Dimensions and Value of Ore body
from 6" TO 4 feet
from 2% COPPER .02 oz GOLD - 5 oz SILVER
TO 8% " .75 oz Gold - 25 oz "

SOME VERY HIGH GRADE FREE GOLD HAS BEEN SHIPPED. ASSAYS AS HIGH A $24 000 IN GOLD A TON HAS ON RECORD.

25. Mine, Mill Equipment & Flow-Sheet
COMPRESSOR AND EQUIPMENT 120 HP MOTOR
STOPER DRIFTER TRACK, CARS ORE BIN
BUILDINGS BUNK HOUSE · LIVING QUARTERS

26. Road Conditions, Route
CHAINS NECESSARY WINTER. STEEP GRADES
GOOD GRADED ROAD SENATOR HIGHWAY 15 MI FROM PRESCOTT
TURN RIGHT AT DAVIS - DUNKIRK MARKER 1½ mi, TO CAMP SITE

27. Water Supply AMPLE FOR ANY MINE & MILL OPERATIONS

28. Brief History LOCATED 1869 (POVERTY CLAIM) HIGH GRADE (LINDGREN) U.S. GEO. BULL.
GOLD SILVER ORES, SOLD OF RECORD SAN FRACISCO MINT
OVER $800 TON (DAVIS MINE) A MR. CLARK OPERATED 1880-08
MR CASPARI OPERATED 1913-1925 DAVIS-DUNKIRK INC. 1925-35
BRADSHAW MINES INC 1935-37 OVER $700,000 PRODUCTION RECORD

29. Special Problems, Reports Filed
LINDGREN U.S. GEO. SURVEY 1922
ARIZONA GOLD MINES BULL. 1934

SWEENY REPORT DAVIS-DUNKIRK ON FILE VAURPAI ASSOCIATES COURT HOUSE BLDG BASEMENT PRESCOTT ARIZ.

30. Remarks WOULD MUCH RATHER FINANCE MILL AND SOME EXPLORATION WORK THAN SELL. APPR. $60 000 NECESSARY FOR COMPLETE DEVELOPEMENT OF PROPERTY

31. If property for sale: Price, terms and address to negotiate. PRICE UNCERTAIN DEPENDING ON CONDITIONS NEXT FEW MONTHS [redacted] [redacted] CASH & BAL
ROYALITY. 10%. MIGHT LEASE PORTION OUT RIGHT. Address Co Box 58 PRESCOTT

32. Signature [signature]

33. Use additional sheets if necessary.

MY-17

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date December 17, 1943

1. Mine Van Hook Mine

2. Mining District & County Hassayampa, Yavapai Co.

3. Former name Davis Mine, Davis-Dunkirk Mine, Murphy Mine

4. Location 15 mi. from Prescott on Senator Highway. T 12½ N R 2 W - T 12 N R 2 W, Sections 3 - 34 - 35

5. Owner Van Hook Mining Co.

6. Address (Owner) Box 53, Prescott

7. Operator Same

8. Address (Operator) Mine

9. President Martha Van Hook

10. Gen. Mgr. A. C. Van Hook

11. Mine Supt. A. C. Van Hook

12. Mill Supt.

13. Principal Metals Copper, gold, silver

14. Men Employed 2 - 6

15. Production Rate 3 ton shift (present)

16. Mill: Type & Cap.

17. Power: Amt. & Type 100 HP Gasoline

18. Operations: Present Stoping - Poverty
Retimbering old stopes

19. Operations Planned Sinking 100 ft. Poverty claim.

20. Number Claims, Title, etc. Nine claims pat.
One claim unpat.

21. Description: Topography & Geography
Very rough 6,000' to 7,400'.
Drainage to slate creek.

22. Mine Workings: Amt. & Condition
13,000' on vein.
Over 8,000' on vein (drifts)
3,000' raises and shafts (winzes)

(over)

23. Geology & Mineralization Fissure vein over all claims.
Country rock - diorite some granite.
Ore - Quartz filling of pyrite chalcopyrite polybasite and ruby silver, some argentite.

24. Ore: Positive & Probable, Ore Dumps, Tailings

20,000 positive
500,000 probable (Sweeny report)
200,000 " (upper workings)

24-A ~~Vein Width Length Value etc~~ Dimensions and Value of Ore Body:

From 6" to 4 feet.
from 2% copper .02 oz. gold - 5 oz. silver
To 8% " .75 oz. gold - 25 oz. "

Some very high grade free gold has been shipped. Assays as high as $86,000 in gold a ton are on record.

25. Mine, Mill Equipment & Flow Sheet

Compressor and equipment 120 HP Motor
Stoper, drifter, track, cars, ore bin
Buildings, bunk house, living quarters

26. Road Conditions, Route

Chains necessary winter. Steep grades.
Good graded road. Senator Highway 15 mi. from Prescott.
Turn right at Davis-Dunkirk marker 1½ mi. to camp site.

27. Water Supply

Ample for any mine and mill operations.

28. Brief History

Located 1869 (Poverty claim) high grade (Lindgren U.S.Geo. Bull) Gold silver ores sold of record San Francisco mint over $800 ton (Davis Mine. A Mr. Clark operated 1900-07. Mr. Caspari operated 1913-1925. Davis-Dunkirk, Inc. 1925-35. Bradshaw Mines, Inc. 1935-37. Over $700,000 production Record.

29. Special Problems, Reports Filed

Lindgren U.S. Geo. Survey 1922
Arizona Gold Mines Bull. 1934
Sweeny report Davis-Dunkirk on file Yavapai Associates, Court House Bldg. basement, Prescott, Arizona.

30. Remarks

Would much rather finance mill and some exploration work than sell.
Approx. $60,000 necessary for complete development of property.

31. If property for sale: Price, terms and address to negotiate. Price uncertain depending on conditions next few months. Cash and bal.
Royalty 10%. Might lease portion outright. Address company, Box 53, Prescott

32. Signed A. C. Van Hook, Supt.

33. Use additional sheets if necessary.

The Davis Dunkirk group of mines was aquired by us in 1943 having been previousely work by vari se operators since the 1860s of the past century. Large scale operations were carried on by Davis Dunkirk Inc., and the Bradshaw Mines Inc. from 1925 to 1937 and a mill of 75 tons was installed during those operations. The property was completely vacated of all equipment when we gained controll of property.

During World War II, we operated and small shipments were made.

Ore reserves are mostly unknown to us as have been unable to resample the property as portals of some tunnels have been made inacessible. How ever maps prove that most ore blocked out by Sweeney in his report of 1931 is still intact.

In order for large scale operations to be carried out the lowest tunnel (No 1) must be opened and track and pipe installed as well as other equipment. This tunnel should be driven ahead to cut other known ore bodies north of present face, however production can be resumed to an extent by opening this tunnel. The tunnel just over No 1 called No 6 will also have to be re-equipted and the north face advanced as sub level under the same block of ore mentioned above. It is thought that a milling plant would have to be installed at the lower tunnel portal as much ore of mill grade will be opened by this work.

The veins are nearly vertical in dip and the wall rock stands well, making a lower cost production possible.

With the exception of the lower no positive ore is blocked out that we know of. The lower tunnel was in production in1937 according to records of former operators. Development on upper levels of mine,

The ore width varies from few inches to over five feet in width with considerable varience in values which are lenticular and some what irregular in distributation along the vein systems.

Present owners and operators are Van Hook Mining Co, P.O. Box 53 Prescott, Arizona.

A. Van Hook Supt

NAME OF MINE: DAVIS-DUNKIRK +
OWNER: A. C. Van Hook

COUNTY: Yavapai
DISTRICT: Hassayampa
METALS: Pb,Zn,Ag,Au,Cu

OPERATOR AND ADDRESS		Visited	MINE STATUS
Date:		Date:	
11/44	A.C. Van Hook, Box 53, Prescott	11/44	Developing
		5/45	Idle
		10-48	Developing

VAN HOOK

Cu, Au, Ag

Yavapai 13 - 4 S 34-35, T 12½ N, R 2 W

A. C. Van Hook, Box 53, Prescott '43

NAME OF MINE: ~~POVERTY (Davis-Dunkirk)~~ Poverty

COUNTY: Yavapai
DISTRICT:
METALS: Cu

OPERATOR AND ADDRESS:		MINE STATUS	
DATE:		DATE:	
5/1/44	A.C.Van Hook, Box 53, Prescott	5/1/44	Developing
		4/45	Idle

copied from reverse side of this card:
RFC loan $3500 granted (per Ballam)
8-19-43 - 2 men working
2-44 - developing

ORIGINAL

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

DEPT. MINERAL RESOURCES
JUN 2 1943
ARIZONA

Mine The Van Hook Mine Date May 30, 1943

District Hassayampa Engineer Bahngrell W. Brown

Subject: Examination for A. C. Van Hook, owner, Box 53, Prescott, Ariz.

The Van Hook Mine, composed of twelve claims, nine of which are patented, lies in the Hassayampa Mining District about 14 miles south of Prescott - T 12 N R 2 W, Sec. 3, 34, 35; G & SRM. The property was formerly operated and grouped into the Bradshaw Mines under the Davis- Dunkirk interests.

The property is reached by the Senator highway and is located two miles from the main road by way of a graded mine road.

Although there are extensive workings on all of the twelve claims, consisting of more than 6, 000 feet of tunnels, raises, and stopes, over a vertical range of more than 1, 600 feet, the Van Hook Mining Co. is, at present, interested only in reopening and developing the workings on the Van Hook #1, otherwise known as the Poverty lode. These workings are now inaccessible due to water, muck, and caving. These workings are said to consist of a 210 foot crosscut tunnel breaking into a drift driven on the strike of the vein, from which considerable underhand and overhand stoping has been effected.

The geology of the main vein, which strikes northeastward across these claims, and on which the Poverty workings appear to be, has been discussed briefly by Lindgren and G. M. Butler. The vein matter occurs on a contact of schist and diorite. Butler reports that the vein filling is mainly coarse-grained, grayish-white quartz with abundant pyrite and chalcopyrite. Assay reports, said to have been made of sampling from the stopes in the Poverty workings, would indicate that there are goodly copper values in this mine. The assays are listed as follows:

Number	Gold	Silver	Copper
1.	0.36 oz	22.24 oz	3.90 %
2.	0.24	27.00	7.98
3.	0.02	4.02	1.60
4.	0.02	7.40	2.40
5.	0.02	11.64	2.10

The history of the past operation of this property has been one of good production and poor management. There is evidence of overdevelopment and poorly executed prospecting in some of the workings, and it is believed that the 120 ton flotation mill, which was built by the Davis-Dunkirk interests on the property as an integral part of their mining program, was ill-advised.

ORIGINAL

The Van Hook Mining Co., in setting out to operate in the old workings on the Poverty claim, might well profit by the mistakes of previous operators. It is my considered opinion that, upon rehabilitation, this property might develop into a good small producer of copper fluxing ore. This would be predicated upon rehabilitation as indicated in the estimate below, followed by selective mining in the old stopes and pillars and eventual sinking with underhand stoping on the ore to a distance to be determined by the values uncovered.

Estimate of rehabilitation work necessary to make the Poverty workings accessible:

Track and haulage equipment	$ 1, 000
Timber	$ 400
Compressor and equipment	$ 1, 000
Labor and management	$ 2, 000
Contingencies	$ 600
Total	$ 5, 000

There is ample water on the property for mining purposes.

Bahngrell W. Brown

Bahngrell W. Brown

FIELD ENGINEER

REPORT ON THE DAVIS GROUP OF MINES
IN THE
HASSAYAMPA MINING DISTRICT, YAVAPAI COUNTY, ARIZONA

P1

By R.N.Dickman July, 1906

The portions that are no longer connected with this property have been omitted in this copy (1950) A.C.Van Hook.

Location:
As above indicated the group is located in the Hassayampa Mining District about 14 miles by wagon road easterly from Prescott, Arizona; and about seven miles from the Mount Union Station on the Poland Branch of the S.F.& P.RR, a branch of the Santa Fe System. The Locations, consisting of the Azurite, New Era, Davis No.1, New Era No.2, and the Davis No.3 (the Davis No.3 is now not connected with property - 1950 A.C.Van Hook), all Patented, run a northeasterly and southwesterly direction, and cover a total length of 6474.7 feet on the vein course.

Geological:
The country rock in which the mineralized zones occur is porphyritic. To the northwest and not far from the main trend of mineralization the country rock is granitic, butno discovery has been made of any contact deposits. It may be surmised that at great depths the mineralization courses may run to the contact, but the porphyry which is open and shattered locally, evidently offered less resistance to intrusions than the contact plane, so that the mineral trends are in porphyry at the present known depths.

If we under stand by "fissure veins" those enclosed by two well defined walls, the Davis mineralization would not come under such a head. The porphyry presents rather wide belts of permeable rock which have been mineralized by replacement along natural fractures in a general northeasterly and southwesterly direction, sometimes following a well defined "slip on one or both walls (so called), but often departing abruptly fromtrue course. Constant cross cutting is hence essential tofollowing the orebodies, and most apt to succeed toward the softer ground away from the granitic contact at the present Known Depths or zones. The writer has illustrated his idea of the ore occurance in a general way on map submitted. A magnified instance is the departure of the "South Vein" from the main trend

Historical:
The properties have been intermittently worked since discovery in the early 60's. The surface ores are oxidized to but a shallow depth and must have been free milling but a small extent. Ore under $50.00 gross value could not have been shipped under those conditions.

Examination:

Explanatory
In April 1905 a very complete examination was made by Mr. Wm. A. Farish assisted by Mr. Campbell. This examination covered all the accessible surface work. Accurate maps were made and the sampling

was of a thorough nature.The writer is well acquainted with the methods of Mr.Farish and absolutely content to take this data as beyond criticism or appeal on the ground which has remained un worked in the interval.In the meantime,however,much work has been done.This has been sampled by the writer,as well asold work with in the ezza comprized withinthese limits,new and old.On the re mainder the writer simply summarizes Mr.Farish's results.On tunnel No 1 the results will not agree at all,since the tunnel has been raised and the bottom filled for a long distance exposing new faces along entire old roof,so that the vein matter is higher than that sampled by Mr.Farish. The old tunnel numbers are retained and should be retained in all future engineering for convenience of reference.

Details of Examination:

'New Era Shaft.

This shaft has reached depth of 50 ft. showing a streak of ore varying from .5 to 1.0 ft of suphide ore.The bottom showed .5 ft to the S W and .9ft to the N E.Sample no 44 shows,

gold... .30 oz.per ton
silver. 12.22 oz.
copper 2.99 % Present value $16.90

Taking gold at $20.00 per ounce,silver at .60 per ounce and copper at .15 per lb.net or $3.00 per unit or % of 20 lbs.the value is $16.90 per ton.This will be basis used in this report.

Tunnel no 1

This tunnel for its entire length is in porphritic rock as described in geological paragraph.

0' to 120' For this distance the ore is continuous.The average width shows 2.44 ft. and average value $35.17.per ton
120 to 180' No ore.Occasional gough easily followed.
180' Four feet of ore,Sample 12 Value$35.85
184 to 216' No ore.
216' Steak for few feet averageing 1.0ft width.Value 5.84
219 to327' No ore.
327 A few feet of ore 1.0ft. Sample 14 shows 52.73
340 to 440' Continuous ore ave. .6 Value 32.38 per ton
440 to 490 No ore except occasional very small bunches.
490 to 650 ft 160 long ave. 2.02ft width and 14.24
650 to 740 No ore
740 ft Very narrow streak .2ft 15.20
740 to 912 (7/4/06) No ore.It appears the narrow streak at 740' may run behind shaft and the cross cut at860ft was intended to cut and intercept.At 66 ft N W,no ore had been met.The writer is not inclined to look forore tothe northwest in the closest granitic groung.Summarized we have the tunnel 513 ft out of 912ft showing ore infour chutes,averaging about 122 ft each in length with about 110ft between them on the average.This is very favorable ore occurance and the indications are thatanother ore shoot will soon be encountered beneath tunnels 6 and 7. As shown the ore averages about 1.8ft and about$25.11 per ton,taken as it runs.Samples 43 and 45 show the dumps to sample higher grade of 26.35.

Tunnel No 2

This tunnel is 180 ft in length.At the moutj 80'has been stoped The face shows per sample no 49 value 108.59.From 80 to 120' the hanging wall is folowed and the average width was 1.5ft.Sample taken along the 40ft at 5' intervals shows (46) Value 43.91.From 120 to 180 the footwall is followed the ore recovered by a cross

Tunnel 2 cont.
cut.This 60 ft.sampled in 5 ft intervals shows (47) 24.50 per ton width of 1.0ft... The face shows width of 1.2ft value (48) 5.38. The dump was much mixed and would have to be sorted.About 50% would be ore and a sample (50) showed value 31.60..At the mouth of tunnel a shaft 40 ft was sunk and ground stoped both ways.The N.E.drift shows from .4 to .8ft of ore value (51) 83.37 per ton. The S.W. drift shows 3.0ft wide giving (51B) $22.10 per ton.While impossible to accurately figure the tonnage it will be seen that there is a strong probability,indeed,a certainty of considerable tonnage in this ground.It will naturally be obtained by stopeing from no 1 tunnel.

Tunnel No.3
The face of this 60 foot tunnel shows 2.5 feet of ore of value (52A) $36.32 per ton.The bottom of the winze shows 3.7feet width and value sample no.52 $61.48 per ton.The showing on bottom is extremely good being clean shipping sulphide ore.This area from no.3 through no 2 to No 1 augurs exceedingly well.

Tunnel No.4
This tunnel 100ft long shows vein almost continuous for 100 feet averaging 2.0ft width and still 1.0ft at face.Mr Farish's sample was taken from this tunnel showing trace of gold,6.2 oz.silver and 3.7% copper value of 14.82 per ton.
Tunnel No 5
This tunnel is 200ft long.The ore struck is intermittant and very variable,giving the appearance of little value in the main.Mr Farish's samples showed no commercial value and the work was not re sampled. Though of milling grade and the fact that overhead stopes (now Filled) were carried on from no 1 tunnel would prove that some pay ore was extracted.It will require work from below to prove value of this area.

No.6 Tunnel
This tunnel reached 410 feet on 7/5/'06.Up to 300 feet little ore was found beyond occasional bunches following the fractures.Some cross cutting is recommended.From 300ft to 370 feet the ore is more or less continuous either on top or bottom,but is frequently found in several streaks in the porphyry.The samples taken showed as follows: (Map)

Number	Discription	Width	Value
			-Value-
#54	Winze 4' at 470ft	5.0ft	20.37
56	Cut at 355 ft	5.0ft	7.18
57	Cut at 340 ft	5.0ft	10.16
58	cut at 320ft	2.0ft	24.74
59	Winze 4' at 305ft	.6ft	42.74
60	Selected at 300ft	0.5ft	86.10
55	Dump out side tunnel	-----	15.19

The ore shute in no 6 promises well for no 1 tunnel in a short dis tance farther;in its self the ground is satisfactory.

Tunnel No 7
This tunnel shows what is apparently mill ore near its mouth.For the remainder the ore is intermittant.No sampling was done as the ore was much scattered and the tunnel not in shape for proper sampling. In this tunnel how ever may be seen an interesting instance of the change of ore from one plane of porphyry to another.This accurs near the end of cross cut to S.E.Work is not advised.As work from no 6 will get this ore.

Ground to the North West
On this ground the writer did no sampling but made a carefull exami nation of the ground with Mr.Farish's Report in Hand.The raeson for thi this was primarily the opinion that it would be up on deeper works and its results that the decision would rest. The writer regards the oe ore now shown as only economically available when there shall be justification for the sinking of shaft near tunnel no 9 with tunnel run N.E. to get under higher ground.This probably will be several years distant.It would be well to summarize Mr.Farish's results which is done;

Tunnel No 8
Length 60ft.Winze 15 ft now filled with water.Vein from 0.2ft to 2ft width.Sample by writer; gold trace,silver 1.22 oz. copper trace.

Tunnel No.9
Length 70ft.Vein2ft for30 ft. balance seem in very hard porphyry. Shaft full of water.Dump sample by Farish; Gold - 2.42 oz. Silver 30.0 oz. Copper 8.20%

Open Cut No 10
Decomposed honeycombed material.No value.

Open cut No 11
Open cut short distance and short tunnel showing few inches of ore matter.Formation Greenstone either pushedup or overflow. From this point the vein splits or rather the porphyry has two open zones permeable to mineral.At depth no doubt the porphyry will be reencountered as in the lower ground.

Tunnel no 12
Length xxx On North vein,caved and in accessable.

Tunnel 13 Length 100ft. Vein distorted.Face 1.0ft quartz
Gold trace Silver 8.5 oz. Copper 1.5%

Tunnel 14 Length 100ft. Run in country rock.No ore.

Tunnel 15
Length 247ft. Average width ore 1.0ft Wallsgreen stone.Samples;
50' to 200ftgold tr. silver 5.80 oz. copper2.6%
Face.....gold 2.0oz silver8.40oz. copper2.40%

Tunnel 17
Length 40ft. cut 40 ft tunnel.Old stopes.Shaft full of water.
Vein 3.8 width.Talc and balance quartz with iron and copper
pyrites. Samples; .18 gold. 28.1 oz silver and .40%copper
.12 gold silver 26.3 oz. copper .40%

Tunnel No 18 (South Vein);Open cut 100ft at crest of mountain
Vein .1 to 1.0ft.Decomposed ore.Sample; gold 3.4oz. silver 37.8oz copper trace.

Tunnel 20 ; Caved

Tunnel 21 : Open cut and tunnel 150 ft long.Stoped out and filled shaft 40ft filled with water.Dip 80*from horizontal.In the north and south vein it is to be noticed theydip to each other.

General Matter of Presumable Tonnage
As previously stated there is no place on property that three sides of ore body are exposed and hence no accurate figures can possibly be offered.The various dumps contain 3000 to 4000 tons of ore of varying value of the character of the cut amples.It is safe to assume 8000 tons in area of no 1 and 6 tunnels.It will require upraises to prove this.The chief feature is that despite the lack of mathamatica cal prove of tonnage the ore is recurrent under ground and at depths and the chutes have been encountered with out passing through any amount of barren ground.The depth reached is relatively small and depth bained is rapid as tunnels move northeastward.It is reasonable to assume a substantàl increase in tonnage which has been estimated on very conservative basis,with continuance of work.Tunnels 1 and 6 should both be driven ahead and connecting raises run as soon as possible,both for ventilation and ultimate ore delivery.

Mining Methods
Mr Farish covers this point amply,Shipping ore to be sorted compatible with mining,milling freight and treatment charges.The grade will depend on the ultimate shipping methods.The low grade will concentrate though the writer would advize exhaustive tests of mill arrangment I suspect that with the hard gouge and soft mineral,sliming will be the problem to be met.

Mining costs;
I am not covering this point because they have changed now A.C.V

Freight
(I am not quoting this either as has been changed A.C.V 1950)

Milling Cost:
Not quoting A.C.V 1950

Approximate Estimate of Yield
The writer thinks it safe to assum selected shipping ore will gross $50.00 ton.This can not be accurately foretold at present but the cut samples indicate it.
Takeing the lowest presumable tonnage at 8000 leaving the 3 to 4000 tons dump and the writer average cut samples would give value of $30.93 and on basis of above costs we have a calculated profit of $103760.00 which not proven seems safely presumable.
More ore must be developed and presumed ore proved before mill construction attempted. From 50 to100000 will be needed for this.

Samples taken by R.N.DICKMAN,DATED JULY,30,1906

No.	Point	Width	Gold	Silver	Copper
1	22'	6.0'	.12oz	4.68oz	1.52%
2	31	5.4	1.18	5.38	1.02
3	40	2.4	2.00	3,86	1.08
4	50'	1.0	1.64	10.12	3.48
5	60	1.4	2.50	7.66	.99
6	70'	1.8	6.14	6.38	.54
7	80	1.8	1.68	6.12	1.96
8	90	3.5	1.30oz	2.52oz	2.69
9	100	1.0	2.44	2.46	2.54
10	110	1.0	.62	2.88	2.88
11	120'	1.2'	.44	3.84	1.98
12	180	4.00'	1.40	3.96	1.37
13	216	1.0	.06	3.84	1.78%
14	327'	1.0	2.32	2.96	1.52
15	340	1.0	2.20oz	4.52	3.23
16	350	0.5	3.70	26.60	.88%
17	360	0.1	.60	11.40	2.79%
18	390	0.9	.44	9.20	4.79%
19	400'	0.8	.8	3.00	1.29%
20	405 SPECIAL		.16	18.56	.72
21	410	1.0'	.04	3.36	2.21
22	420	1.0	1.04	12.96	3.17%
23	430	0.7	.16	8.84	1.82
24	440	0.6'	.24	4.64oz	1.24
25	SPECIAL 475'		3.00 oz	11.40 oz	7.60%
26	490	3.0'	.80	10.60	1.34
27	500	1.0	.72	2.48	1.44
28	510	2.0	.02	.68	tr.
29	SPECIAL	.05	.32	13.48	3.74
30	520	3.2	.02	1.26	.34%
31	530	5.0	3.38	1.44	.34
32	540	1.8	.04	1.30	1.39
33	560	1.0	.02	.72	.51
34	530-40	3.5	.04	1.92oz	1.30%
35	560	2.0	.50	2.00	1.63
36	570	2.0	1.20oz	1.90	1.39
37	580	2.0'	tr.	3.72	3.60
38	590'	2.0'	.02oz	1.88oz	1.44%
39	600	2.0	.02	1.98	1.30
40	630	1.5	.16	1.34	.05
41	650	0.7	.16	3.30	1.63
42	740	0.2'	.02	4.88	3.96
43	Dump		.80	6.00	2.25%
44	Shaft		.30	12.22	2.99
45	Dump		.30	4.22	1.60
46	180'	1.5'	.20oz	1.80oz	1.51%
47	180 to240'	1.4	.54	7.19	3.13
48	Face	2.0	.20	1.80	.51
49		5.0	5.26	426	.28
50	Dump		.62	11.48	4.14
51	Stope	1.5	4.80	17.40	21.11%
52	Bottom	3.7	2.22	11.22	3.45
53	Special		.02oz	.68oz	.92
52A	Face	2.5	1.30	6.70	2.10
54	370	5.0'	.65	10.94	.94
55	Dump		.38oz	3.96	1.74%
56	355'	5.0'	.08	4.25oz	1.01%

JAS. H. HENLEY REPORT

DAVIS-DUNKIRK MINES

1926

Mr.S.W.Shipley
Seattle Wash.
Dear Sir:
At your request I submit herewith a prelimary report on the Davis Dunkirk properties situated about 16 miles S.E.of Prescott,Arizona in the Bradshaw Mountains.The Davis group contains eight pat. claims and the Dunkirk three with six unpatented.(Note 1950 property contains only the 3 Dunkirk and 8 Davis pat claims A.C.V) There is fraction between the Davis and Dunkirk called "The Hungry Fraction"upon which an option should be secured before any large amount of work is done on other properties.This I will take up in my final report which will be submitted as soon as assays are made and returns submitted.

Tunnel No.	Davis Dumps Tonnage Tonnage	Value	Total Value
17	1000	13.93	13,930.00
17	12	27.87	334.44
16	150	13.96	837.60
15	750	9.50	8125.00
13	1000	13.18	13,180.00
13	50	35.00	1,253.00
1	1000	7.50	7,500.00
2	200	28.55	5,710.00
3	100	17.17	1717.00
	Dunkirk Dump Tonnage		
1(water tunnel)	100	17.17	1,717.00
2	1151	20.84	23,986.84
3	1000	7.29.	7,290.00

Total Dump Tonnage 6,513 Value $86,079.88

Average tonnage of ore blocked out in the mine on the Davis Vein about 193,737 tons value unknown pending assay returns,but useing the dump value of $17.83 would give gross value of ore in sight on the Davis vein as estimated at $3,454,333.00.I am of the opinion that when assay reyurns are in they will average higher than dump samples,but if the go only $10.00 per ton,I would be well satisfied.
It is one of those rare opportunities in mining you have of getting hold of a property with such a large amount of developement work showing the tonnage and one that should be secured by all means. There is some preliminary work to be done before any large amount of ore can be mined,but the ore is there.
One of the first things to be done is get a surveyor on the ground and re establish all corners which have been knocked down and re locate other claims which I deem essential to the property This I will mention in my final report.
Trusting this willconvey my idea of property,I am

Signed
James H.Henley
June 15,1926

My opinion is, the Davis vein is a later tham the Dunkirk and is a fracture in the Quartz-Diorite and not a true fissure, for there is no gough or selvage along the walls, but the ore is frozen to the walls From the juncture of the veins to the south, the vein stands almost v vertical with a slight dip from the Granite, but in depth I look for a reverse dip. It would be a contact between Granite and the Yavapai Schist, but north of the junction there is a twist or reverse of both veins, slightly towards the Granite. In depth the Davis may become con tact between Granite and Quatrz-Diorite. By referring to maps 1, 2, and 3 you will get the general idea and conditions.
Had the same amount of developement work been done on the Dunkirk vein north of the juncture that was done on the Davis vein much larger ore bodies would have been developed. The ore might not have been as high grade but the tonnage would have been greater, thereby gaining a larger value.
Discription of Maps; (We do not have maps 1950 A.C.Van Hook)
Showing all claims of the Davis group and the Dunkirk three patented claims, also the Little Kid, Wren, and Jay Hawker, all of which have been patented and show the manner of location on the surface. The un patented claims have not been properly located according to the cer tificates, and should be relocated in proper form.
Map no.2 is the Davis group, in plan and elevation as well as giving all work up to time of my survey.
Map no.3 is for the purpose of showing the strike of veins approximatel ly as they occur on the surface. in the different formations.
Map no.4 is No.6 Tunnel from portal to face, or nearly so, the point of seperationof the Davis and Dunkirk veins. The Dunkirk vein from the poi point of seperation has never been prospected un till the Poverty fraction has been opened and from then on enters the Dunkirk claim.
Map No.5 Shows tunnels Nos. 13, 15, 16, and 17 and the stopes from which Mr Caspari took out some $50,000 shipping ore. Fromm his records.
Map No 6 Is the Dunkirk Vein with the tunnels and stopes from no 2 to above no 3. No.1 tunnel begins on or about the same level as the top of mill and is claimed to continue some 350 feet and stopeing was done of both shipping and mill ore. The writer was unable to get the tonnage or grade as the tunnel is caved and could not get in for examination.
Recommendations as to work:
In a letter to H.L.Williams, dated July 6, 1926 I outlined the equipment necessary, and the work that should be followed from 13 tunnel to the surface. The letter follows....

Mr.H.L.Williams
Seattle Wash.
Sir;
In case you are sure the title to Davis Dunkirk is secured, I am heartly in favor of erecting a good compressor at point at or near the Dunkirk No.1 Tunnel in order to have good supply of water for cooling the compressor and mine purposes; then run four inch air line to no 13 tunnel and after reaching it to reduce to two and one half inches to places of work. The receiver can be set at compressor as it is only storage to insure adequate supply at all times. It is my opinion that there will at all times be ample water from 13 tunnel for drilling purposese. I would reccommend that you get compressor the discription for which I gave Mr.Shipley on the way south. At Los Angeles call on the Chicago Pnuematic Tool Co and see it and have them explain it to you.

REgarding the place and manner of working:
First have a survey made of 13 tunnel and locate the winze from which the Ruby Silver wastaken, then continue line from portal of 13 tunnel

to no 15 tunnel to the winze that was sunk at or near this portal some 50 feet deep and supposed to be directly over the winze in 13 tunnel,but some 90 feet to north of 13 tunnel winze.It is important to have both winzes located before any work is done in order to arrive at the distance of a cross cut which is to be made to cut the main Davis vein and at the same time begin the raise from13 tunnel Davis vein to connect to winze in 15 tunnel above.The raise and winze will prove the ore shoot and give a transfer raise as well as ventilation from 13 tunnel to surface.

Second:

All ore minedabove 13 tunnel could be cheaply and easily handled thru 13 tunnel to ore bin to be built at portal of 13 tunnel,with tram to the mill saving all roads above 13 tunnel and the resulting expense.

Third:

After the winze and raise have connected to the surface then begin drifting both ways from the cross cut (on Davis Vein) to the N.E end of property. and S.W. To the present new working on the Davis Vein. This No 13 Tunnel is a very important point and the work out lined abov above relating tocross cut and raising and should be completed before completion of mill.The completion of above would not only open up a large tonnage of mill ore but all shipping ore above 13 tunnel,which will be about 13% of ore mined and to get at this shipping ore the work has to be done.The tunnel above 13 (15) shows the shipping ore from2 to 5 feetwhich ran from 50 to$100 in copper gold and silver.

I would suggest the purchase of a drill sharping machine of the Denver Rock Co type,two drilling machines,including steel for same,two tram cars and about one ton of 12 lb rail,spikes bolts and nuts.

Trusting I have in a measure made myself understood (I would like to go over the maps with you) I remain

Yours
Signed Jas.H.Henley

As soon as the work outlined above is completed ro sooner if possible a shaft should be started on the Dunkirk vein on a level with the top of the contemplated new mill in order that the water from shaft will flow to mill or tank set at same elevation.The shaft will eventially go to depth of 400feet or more sa future developements warrant.

Second

All ores from below top of said shaft on the Dunkirk vein to the north end of Dunkirk property will be handled from this shaft and then south to the suoth end of the Poverty Fraction.

Third:

This shaft will be the mainpoint of ventilation on Dunkirk vein when No.6 Tunnel is extended to this point from the Junction of Davis vein.

Fourth:

When the connection between the shaft and tunnel have been completed all timbers and supplies will br lowered thru this shaft.It is my opinion that No.6 tunnel should be advanced on the Dunkirk vein as soon as the shaft has been sank to depth required for water for the mill of 100 tons .It is true that as soon as mill is completed you wil begin mining ores above the shaft and running dumps to mix with mine ores.As already stated,it is my opinion that; "The Dunkirk is going to prove to be the largest producer in the district and will connect with the Senator workings if continued thru to that property.

Water Situation:

It is my desire to state at this point that working the north end

of the property the water problem is the most important to solve,for domestic and mining purposes.The most valuable and pure drinking water comes from the Jay Hawker tunnel,which is east of the Dunkirk claim.A long term lease on the water rights should be secured from the owners and the tunnel extended by 100feet and a concrete bulkhead installed near the portal,thereby making a reservoir large enough for all domestic purposes.This water to be pumped to permanent camp site.

Location of camp and water tanks:
The camp should be located at elevation 6945 as shown on map 2 in order that sewerage from camp would drain away from camp water supply and the tanks placed above camp to insure gravity flow to camp.A larger tank should be kept in reserve for fire protection You would thus reserve the old camp for power station and mill.

Returning again to Davis Vein:
Referring to letter to Mr H.L.Williams pertaining to to Davis Vein from 13 tunnel to surface and the manner of working is to be a report on this property and considered as such.From now on when dealing w with the Davis vein I will be referring to Tunnel no.6 and to bottom of 13 tunnel.As soon as work above 13 tunnel has been completed a shaft at or near no 21 tunnel on Davis Vein should be sunk to the level of no 6 tunnel for the samd rason as the Dunkirk shaft.Tunnel no 6 should be continued on the north end of pro perty and the shaft an outlet for all ores north of shaft to 13 tunnel including the south vein as well.And the Quartz porphyry also if it should prove valueable,which can be done from no 6 tunnel.I would state that the face of no 6 shows good indication of ore body close at hand.
No 1 tunnel begins about 800feetsouth of no 6 tunnel and 188feet below no 6 tunnel,but has been connected by a shaft sunk near the portal of no 6 tunnel.This tunnel(no 1)should be enlarged to not less than 7 feet high and eight feet wide and not less than 30lb rail which would be large enough for electric locomotive for haulage,as in a few years your milling will be transfered to this point.

Re location unpatented claims:
In looking up the notices on unpatented claims I found that the location of NO 2 Dunkirk claim as shown on map 1 should be shoved north, the southe end of claim being hte north end of of Jay Hawker and the same on the Kentucky Judge NO 2 on the north end of Dunkirk NO 2.Locate 2 other claims one at the north end of Little Betty and the other at the north end of Kentucky Judge.

STATEMENT OF FACTS:
Before giving estimate as to tonnage on dumps and in the mine and values of same,I emphasize it is not a high grade ore pro perty but practically a milling proposition,but in mining the ores 20 to 25% of the ore mined,in my opinion will be first class or shippibg ore.Both classes to be mined at the same time ,the shipping ore to be sorted at the time of mining and not sent to the mill.The fine high grade ore which can not be sorted will be mixed with the mill ore and cause the low grade to increase in value and ores will be valuable mill ore.

It is true at places along the veins the whole width of three to five feet may be all shipping ore,but this will be the exception and not the rule.No 15,16 and No 1 tunnels are the exceptions and when the developement work which has been recommended on these points have been completed,it is possible that the same will be true of NO 13 but it will require the completeion of said work to prove the true values.But as to the large tonnage above no 13 to surface there is no doubt what ever,in my mind.

Mill Site;
The present old mill which has been there for years,the foundation decayed and the old sheet iron sides and roof almost valueless,but the grading and foundations can be put in good shape at nominal expense and is the proper location for first unit,reserving the ground on both sides for power plant,compressor and other machinery.In otherwords centralize all machinery as much as possible at this point and from here distribute to the places needed and as required.As all ready stated the time will come when all milling will be transferred to portal no 1 tunnel but the power plant will remain at this point. The road connecting camp site and no 20 Davis dump,thence to No 2 Dunkirk Dump (map 6) from there to point at or near Government Monument which stands just below present road should be built under contract and is one among the first to be considered.

Davis Dumps and Tonnage

NO	Tunnel	Tonnage	Value	Total
17	"	1000	13.93	13,930.00
17		12	27.87	334.44
16		150	13.96	2094.00
15		750	9.50	7125.00
13		1000	13.18	13180.00
13		50	35.04	1253.00
1		1000	7.50	7500.00
2		200	28.55	5710.00

Dunkirk Dumps

1	Tunnel	100	17.17	1717.00
2		1150	20.84	23986.84
3		1000	7.29	7290.00

Total Dump Tonnage...6413 Dump Values Total $84,619

Notice:
From no 51 samples to no 132 inclusive,no returns as to copper or lead determination reported making report incomplete,all samples were to be tested for copper and some for lead.Copper as a by product is and important item and why these copper values were not made is some thing beyond ny comprehension,there for I am making report on gold silver value only on assays received as per Walter Joy Sr. Assay Shop No 1059 dated Aug.31 1926.

Estimated Tonnage of ore in Mine and the Value
Block 1; Begining at shaft No 6 tunnel down to no 1 tunnel 188 ft thence south 800ft,thence up to portal no 3 tunnel 200 ft thence back to point of begining.
Tonnage 36923
Assay value per ton 8.88
Total $ 327876.24
Block No 2; ... Begining at collar of shaft in no 6 tunnel thence

down to no 1 tunnel 188 feet thence north in no 1 tunnel 600 feet thence up to surface 250 feet thence south to point of begining. This ore shoot ranges in width from 5ft to 20 feet. Calculations are made on a width of 5 feet

Tonnage .. 50000
Value $ 11.32
Total $ 566000.00

Block No 3; .. Begining in no 6 tunnel at point about 100 feet south of face thence to surface 400 feet to point 250 north of portal no 9 tunnel thence back to no 6 tunnel and point of begining. Tonnage.. 30,769 Assay value $ 8.95 Total Value $275382.55

Block No 4 ; .. Begining at a point about 400 feet present face of no 6 tunnel, ore shoot begins thence north 250feet, width of ore 2½ft thence to surface 650feet thence south 250 feet thence to no 6 tunnel point of begining. Ton.. 31250 Value assay 9.37 Total 279812.50

Block No 5; .. Begining at portal of 13 tunnel to face of tunnel thence up to bottom of stope in no 15 thence back to point of begining formimg a triangle. Ton. 16454 Assay 8.13 Total 133771.02

Block No 6; .. Begining from face of 13 tunnel to cross vein 400ft thence up on cross vein 250ft thence back to face 13 tunnel assuming the Perkins map survey of vein exposed in 13-15 and 16 tunnel are the same. Tonnage 15386 Assay 15.14 Total $232944.04

Block No7 ; .. Includes the Fannie Bell Claim cross vein from face of no 16 tunnel to surface thence N.W. todiscovery shaft 500ft thence from surface of shaft to place of begining
Tonnage . 16827 Assay value $8.54 Total $ 143722.58

Block No 8 ; .. Tonnage is intriangular form begining at portal of no 1 Dunkirk running north on vein760 feet thence raise to surface 300 feet to out cropping thence back to point of begining.
Tonnage 16784 Assay value $15.10 Total$253136.40

The three dumps on the Dunkirk vein contain 2251 tons from which the above average was taken. At the time the Dunkirk was working it is evident fact, from dumps and information from Mr. Caspari and others that large amount of high grade ore was shiped from these working. From the point of out crop north to point 300feet a winze was sunk to depth of 20 feet, and a short drift driven north on vein of 4feet in width containing a streak of ore assaying $70.00. This does prove that the Dunkirk vein continues beyond the old workings to this point and no doubt high grade values will be found as developement is continued to the north.

Total gross Tonnage of (in) mine	214373	tons
Shipping ore At least 25 %	53593	tons
Milling ore	160780	tons
Shipping ore from assay sheet Ave $80.33 per ton Value	$4,305127169	
Mill ore from assay $10.68	1717131.40	
Dumps &mill ore Tonnage 220786 tons		
Total Value $6,022,259.06		

At this time I wish to call to your attension Dickman report qouote "Since above report written there has been stoped and shipped to smelters, under the Twiggs Lease from tunnel no 1, thirty four shipments

of high grede ore aggreating 946 tons,having an average value of:

Gold.....	$ 10.65
Silver.....	40.00
Copper.....	28.68 (143.4 lbs.)
Copper XX 7.17% @ 20¢ lb.	

Again:

Under the Caspari Lease there was stoped and shipped to the smelter,23 shipments,aggreating 754 tons containing value:

Gold.....	$ 3.00	
Silver.....	71.00	
Copper 3.35% @ 20¢	13.40	(671lbs)

Having previously stated in this report that the shipping ore would aggreate about 20 to 25 % of all ores mined and you will see from the above as quoted from Dickmans report that the 1700 tons ore has been shipped to smelters,there remains milling ore on the dumps 6413 tons.This proves the ratio of about 25% shipping ore and by elinating all the high grade ores $40.00 and over as per assay sheet gives an average of $86.33 which compares with smelter returns from 1700 tons whiched averaged $83.04.

Again: The ore from the north and the south portions of mine showed practically the same values.

Remarks:I wish to call your attention something overlooked while speak ing of No 6 tunnel,you will by looking at map 2 see that No 6 tunnel portal is in gulch and on backbone of ridge which during the rainny season causes debris to wash in to portal,causing quite an expense to clean out as well as makeing it suitable for dump purposes.
By going just north of shaft and running a cross cut about 125 feet to connect to no 6 would over come all troubles.This would be an after consideration,to be done before begining work in no 6 tunnel.

QUARTZ PORPHYRY DEPOSIT

I again call your attention to the map no 3.If this deposit were to prove as valuable as supposed would greatly in crease the tonnage and value of the property.This deposit to be developed though shaft sunk at or near No 21 tunnel after reaching the level of No 6 tunnel As previously stated the water question is one of the most important factors to be considered in developing this property.. Especially as to milling and power plants.The next important item is the power. for mill and developement purposes.My investigations as to power furnished by Arizona Power Corp.gave discourageing results for reason; First ; It would cost $18 to 20000 for power line from Walker to Mine. Second ;They will not guarantee continous power service the year around.The Sheldon Mine Of the Walker District is under contract for continous power per day;insufficiency of power furnished at fre quent times has cause the whole plant to close down causing heavy loss as to time and expense.Therefor I strongly Reccommend other means of power production and strongly advise the Diesel type of engin as the most satisfactory..

Conclusions:

From my personel experience I am fully convinced that the question of management is most important factor to decide.From begining of developement and installation of plant this man should be in com plete charge as to mine and mill.Such a man would demand salary of $00 to $600 per month with house furnished.For expert advise and consultation the manager should select an engineer who is able.

Attached hereto you will find the assays and number of sample taken and from location taken; Also proposed bid by Faust Concentrating and Mfg. Machinery Co. This bid will contain bids on crisher, jigs tables and pulleys. The bid will also be a part of this report.

Signed Jas. H Henley
4142 12 Ave N.E.
Seattle Wash.

To Davis Dunkirk Mines Incporated.
Seattle Wash.
Sept, 15, 1926

Block 7 No 16 Tunnel:
No 1: End of stope 12" vein
2 Filling in stope 4 x 70ft long
3 Tenfeet from end of stope 12" vein
4 Filling in stope 4' wide 15' south
5 20" from face of stope 2' wide at X vein
6 Stope gob at 25' from face
7 30' from face 2ft width
8 Gob in stope 35ft from face
9 Hanging wall 12" width
9x Footwall 14" width
10 Filling at base of manway
11 Filling 10ft south manway
Above all stope samples for 70 feet. 42 ft stoping at south end of stope could not be sampled.

#12 16" over headsouth of stope
13 3ft Filling
14 30 overhead
15 3ft filling
16 30" overhead
17 30" filling
18 18" overhead
19 30" filling
20 24" overhead
21 4ft muck pile under stope
22 28" overhead
23 16" floor tunnel
24 16" overhead
25 16" floor tunnel
26 x 8" hanging slip special should be followed
27 16" overhead at bend tunnel
28 16" floor tunnel
29 over head in small stope
30 30" floor 40 ft from portal
31 30" overhead 20ft from portal

Assays Cont.

Block 6 No 15 tunnel

Sample no

32 Begining of old stopes 10" wide
33 14" 20ft south old stope
34 8" Bend in tunnel ore S.E. of footwall
35 8" begining bend leaving vein
36 12" roof small stope 12'high
37 14" same stope
38 14" Stope 20ft up stope
39 20" south 12ft same stope
40 Gob in same stope
41 8" overhead south end stope
42 Gob at south end stope
43 14" roof stope south end
44 Big Stope near portal 14" roof cut
45 12" cut 20 ft south of north face stope
46 12" cut 30ft same
47 12"cut 40ft same thing
48 16 cut 50 south of north face stope roof (same)
49 14" cut 60 ft south same stope roof
50 20" cut 70 ft south rame roof stope

Block 5

Sample no

51 Roof in face drift
52 top in face drift
53 center face drift Beggining new lense
54 bottom face drift
55 over head 28" 10ft from face
56 bottom drift 28" 10ft from face...Ruby silver found here
57 28"cut over head 20 ft from face
58 10" pinch under track
59 16" overhead 30 ft south
60 36" under track and left side hanging wall
61 24 over head
62 4"stringers under track cut 4' width
63 3'over head same
64x x 1'6"grab sample
65 2'6"vein cut
65 2'cut from "water formation
66 30" under track same location
67 18"cut 10ft south water formation
68 18" same location
69 20"cut over head 20ft south same
70 12" small stope
71 30" fault near hanging wall
72 24"cut in winze 12ft depth north side of hanging wall saide
73 12" 20ft in winze same side
74 12" H.W.portalS.W.drift in winze
75 14" H.W.side face drift in winze
76 8"cut hang wall side drift in winze
77 20" 8ft south face
78x 6"cut 45ft south winze
79 14" roof tunnel 50 south winze
80 14" foot of H.W. " Mill ore "
81x 2" streak supposed to be under winze in 15 Tunnel

Samples cont:
No.
82 12" south of raise
83 10"F.W. 100ft beyond 1st turn ore just coming in
84x Bung hole in roof hanging side
85 4" roof foot side bung hole
86 2'cut 2nd turn in tunnel 13 by small tank
87 18" first turn in tunnel " "
88 42" vein matter 50ft in portal 13

South Vein:
89x 2'6" face Tunnel same elevation as 15 tunnel
both sides vein porphyry,Diorite to east soon be foot wall
should develope.

Block 4

No.90 Dump ore 21 shaft only sample can get
91 caved open cut no 21

Block 3
92x out cropping 2"ore across from no 9
93 cross cut face of no 9 tunnel
94 4" cut 10 ft from face no 9
95 8"cut at shallow shaft portal no 9
96 8"cut begining ore shoot
97 8"cut 25ft from face no 6 tunnel
98x Just before fault in Davis Vein
99 8" 150ft south of fault no 6
100 8" where Davis vein comes into tunnel again 210'from x cut
101 12" 2 veins 6"width each 100ft south Davis Dunkirk split

Block 2
102 4' milling ore split veins no 6 tunnel
103 Pillar stope 7'cut
105 5'cut full width vein 5ft up on south end stope 6 tunnel
106 10'cut 10ft south pillar..Mill ore?
107 6'cut south end stope
108 Fill in stope
109 6"cut south end stope
110 3'cut roof stope no 7 tunnel
111 20ft width filler in samse stope
112 12"cut Portal no 7 tunnel

Block 1
113 3' top of face no 7 ore
115 3½' bottom face " "
116 4'cut over head just south face
117 18" cut over head begining ore shoot
118 4' milling ore 30ft south face
119 14"cut no3 tunnel
120 4'cut millore 20 ft south face
121 Gob 4x4x20 in stope
122 10"cut mill dirt 115ft from portal
123 4' between 1st and 2nd turns tunnel
124 18"cut roof 10ft south 1st turn
125 6" ore Face tunnel no 2
126 No 1 tunnel dump
127 Stope [illegible] of Stope

R. .CKMAN REPORT pp

Samples by R.N.Dickman,July,30,1906 copy by A.C.Van Hook

No.	Point	Width	Gold	Silver	Copper
57	340'	5.0'	.08oz	6.22oz	1.61%
58	320	2.0	.10	14.46	4.69
59 Winze		0.6	1.70	9.10	1.10
300' Select		0.4	2.16	26.40	9.02%

Not including Special Samples or dumps,the average of all cut samples of R.N.Dickman multiplied by feet width and divide total feet width:

Gold..... 1.073 oz
Silver..... 5.86 oz
Copper ..... 2.12 %

Value..$30.93 Average width 2.06ft. Samples by Dickman only Farish sampling not included.

(Signed) R.N.Dickman
July,30,1906

Fuel,Water,amd Millsite:
Ample water is present on Ni Wot mill site for all contemplated operations.Considerable wood is available in district at cost of $3.50 ~~kkk~~ cord at mine.At later date oil should be considered, either at power site and station on the railroad.The millsite is all that might be desired.

Other property:
The extension of the Davis Lode to the N.E. brings into line some desireable ground which offers good opportunity to work the east end of ground from other tunnel sites.It has been stated that from 7000 to 10000 would buy three claims (extensions),and if this be the case purchasers of the Davis should include the ground.It is also an open question whether the DUNKIRK ground should not be taken in at this time,under long bond.This would give the purchaser a large block of mineralized area,workable through No.1 tunnel on its deep levels and the additional areas now showing excellent ore.

Conclusions:
With the above data the writer felt warranted in advising purchasers speculatively inclined and able to expend from200,000 to$250000 on purchase and equipment of property to purchase the Davis in four monthes in stead of five at$100000 rather than 175000 in deferred payments.It should be remembered that purchase and equipment are not now net in sight,but htere is possibility that (PRObability) that the price can be put net in sight,including developement fund and equipment with reasonable amount of intelligent develope ment.
The writer most strongly recommends the installation of assay office and daily data on the work if for no other reason,to check on above data and make any doubt which is now unavoidable,in to a certainity.The ground should be blocked out by upraises at fre quent intervals.

Submitted

(Signed)
R.N.Dickman

Page 11 Dickman Report (original)
Twiggs Lease

Since the above report was written, there has been stoped and shipped to smelter, under what is known as "Twiggs Lease", from No.1 Tunnel, thirty-four shipments of high grade ore aggregating 946 tons, having an average value of :

Gold.....	$10.65	
Silver.....	40.00	
Copper	28.68	(7.17%) at 20¢

Signed
R.N.Dickman

PROJECTION AND PROFILE
of
DUNKIRK MINE

OWNERS - A.C. & MARTHA VAN HOOK P.O. BOX 53 PRESCOTT ARIZONA.
VAN HOOK MINE CO.
1950-51

VALUES COPPER SULPHIDES ONLY
GOLD
SILVER

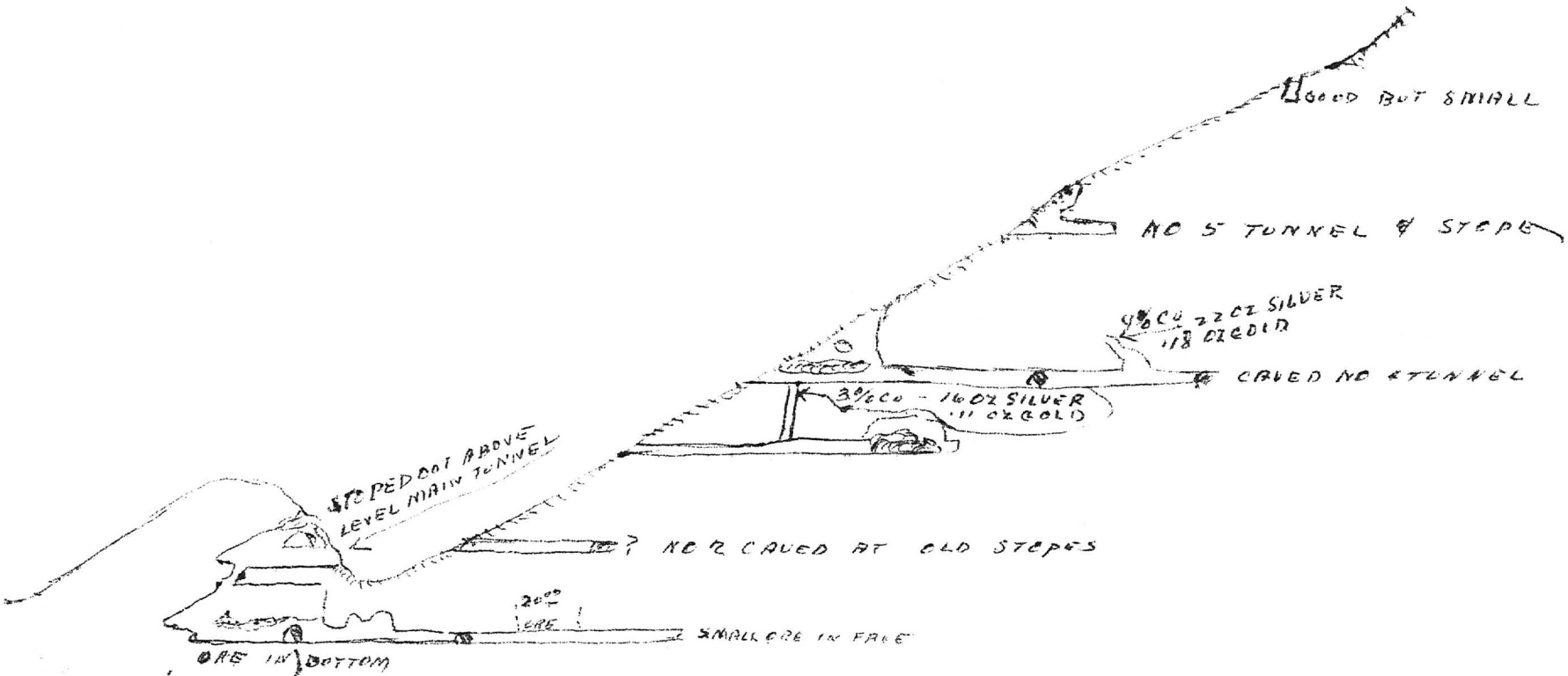
PROJECTION
AND
PROFILE.

DAVIS NO. 3 MINE

OWNERS- MRS A.C. VAN HOOK
P.O. BOX 53
PRESCOTT ARIZ

VALUES IN Cu, Au, Ag SULPHIDES ONLY

VAN HOOK MNG CO - LEASSOR
1950-51



250' TO 280'
OREBODY

2.75 - 3.2 % CU
0.08 - 0.4 OZ Au
16. — 30.1 OZ Ag

PROFILE DUNKIRK (MORNING) MINE

HASSAYAMPA DIS. YAVAPAI CO. ARIZONA

VAN HOOK MINE CO.

R.C. VAN HOOK MARTHA VAN HOOK JESSE BOTTON
P.O. BOX 55 PRESCOTT ARIZ.

ASSAYS Cu 1 - 8%
Ag 4 - 40 OZ
Au Tr - 2 OZ

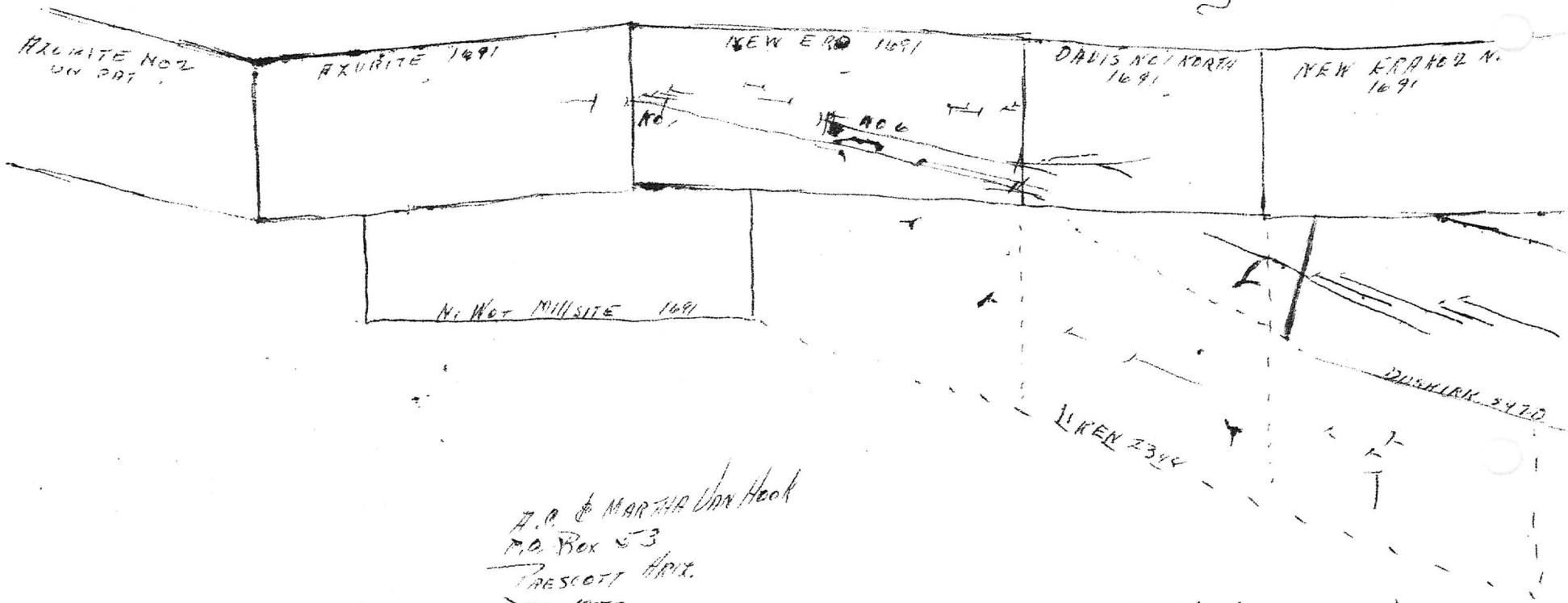
AVERAGE SHIPPING ORE
3% COPPER GOLD 0.20 OZ
SILVER 15 - 25 OZ.

DEC 1950

DAVIS MINE - PROJECTION 1950

HASSAYAMPA DISTRICT YAVAPAI COUNTY ARIZ

VAN HOOK MNG CO.



A.O. & MARTHA VAN HOOK
P.O. BOX 53
PRESCOTT ARIZ.
DEC 1950

ORE VALUE COPPER 1-6% (SOME TO 12%)
GOLD TR. TO 1 OZ
SILVER 4 TO 40 OZ.
WIDTH 8 IN - 20 ft.

VALES IN COPPER, GOLD, AND SILVER.

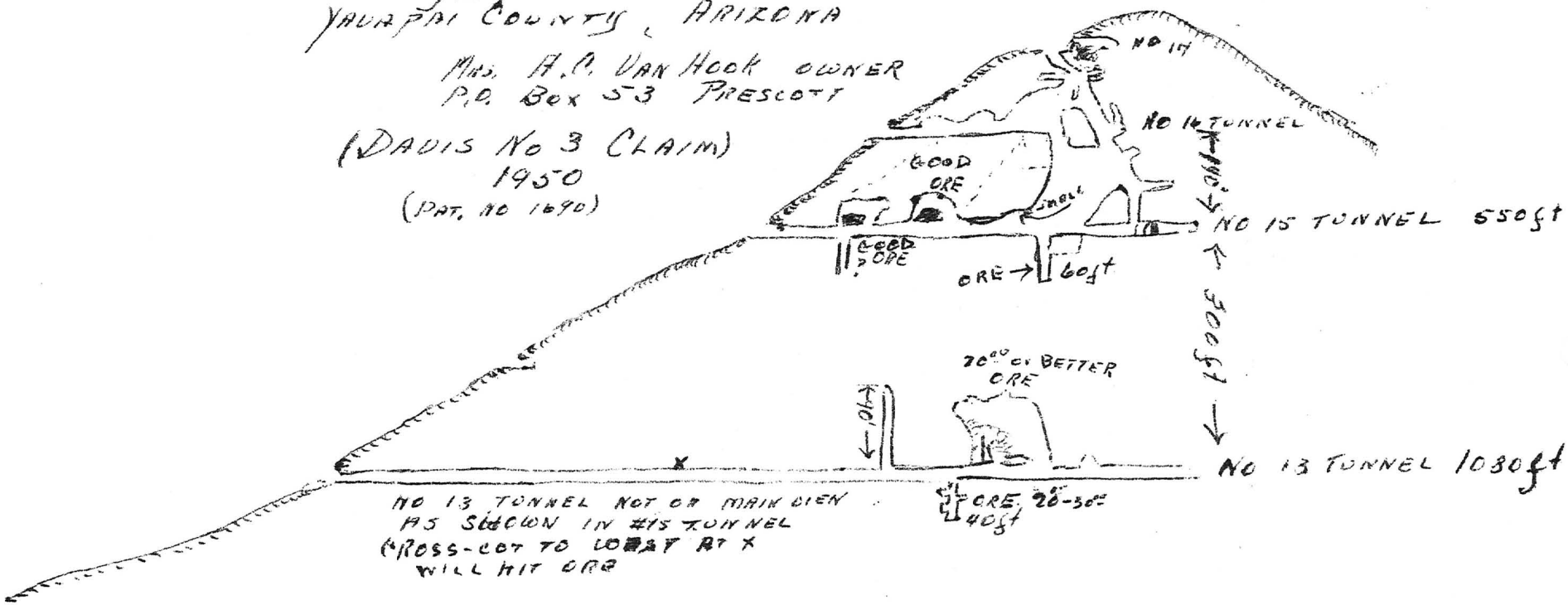
PROFILE

ORIGINAL DAVIS MINE

ASSNYAMPA MING DISTRICT
YAVAPAI COUNTY, ARIZONA

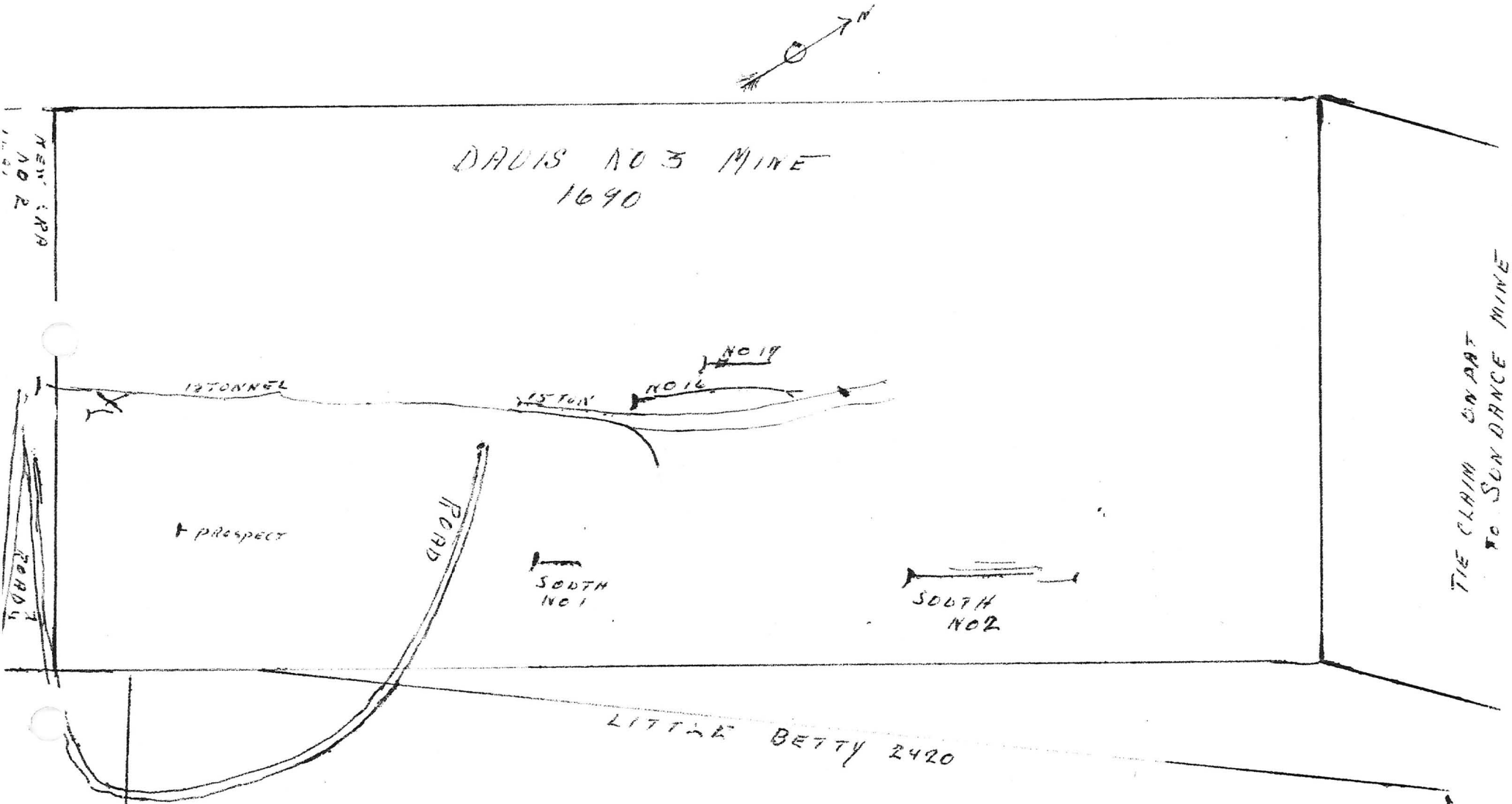
MRS. A.C. VAN HOOK OWNER
P.O. BOX 53 PRESCOTT

(DAVIS NO 3 CLAIM)
1950
(PAT. NO 1690)



AVERAGE COPPER SHIPPING ORE
3.35 %

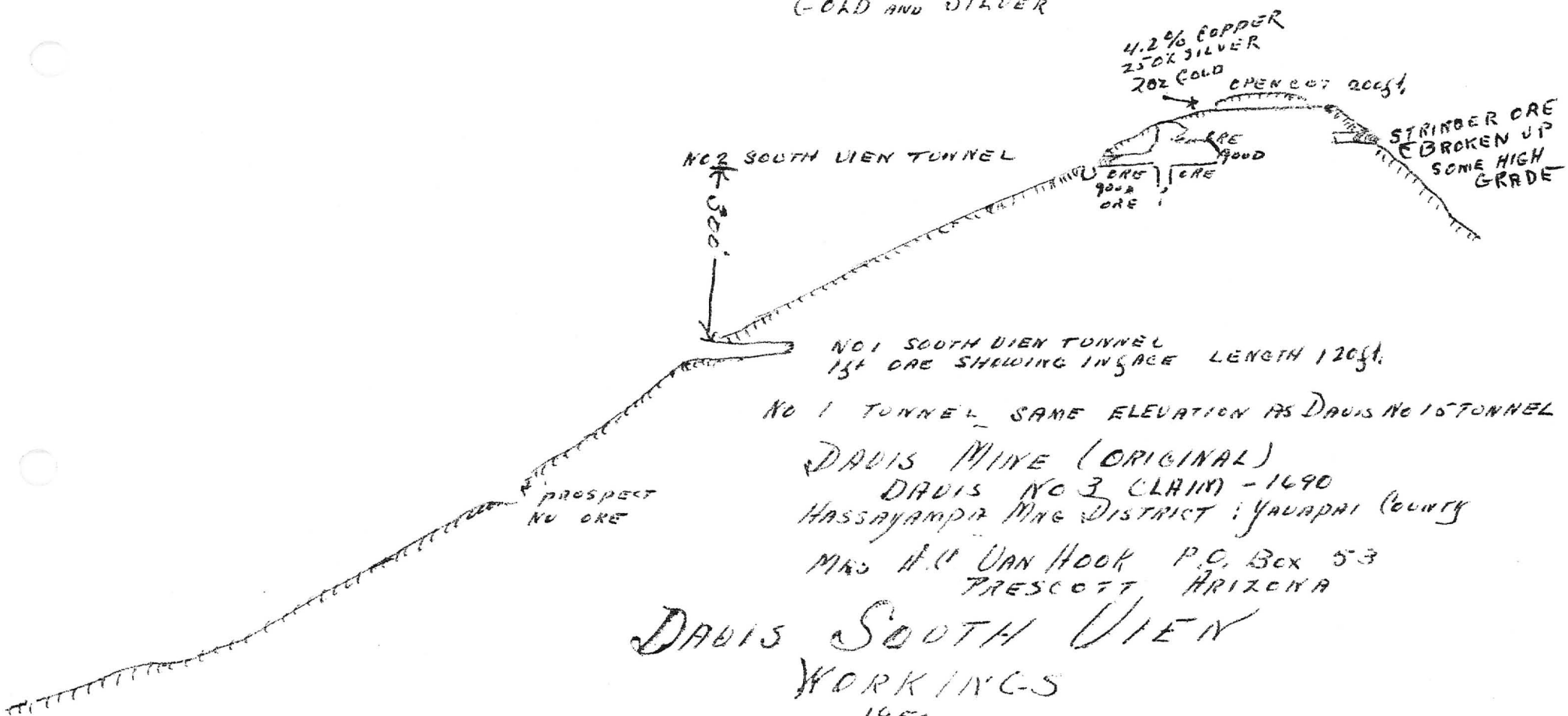
DEC 1950



PROJECTION ORIGINAL
DAVIS MINE
HASSAYAMPA MINE DISTRICT
YAVAPAI COUNTY ARIZ.
MRS A.C. VAN HOOK
P.O. BOX 53
PRESCOTT ARIZ.
DEC. 1950

NO 13 - ORE IN WINZE AND STOPE
NO 17 - ORE IN PLACE 600 ft
NO 11 - WORKED OUT
NO 16 WORKED OUT
NO 1 SOUTH - ORE IN FACE
NO 2 SOUTH - IN ORE

ORLBES IN COPPER
GOLD AND SILVER



DAVIS SOUTH VIEW
WORKINGS
1950

COPPER 3-4%

DEC 1950

PROJECTION
AND
PROFILE
DAVIS MINE

VAN HOOK MNG CO, P.O. BOX 53 PRESCOTT ARIZ.
A.C. & MARTHA VAN HOOK P.O. BOX 53 PRESCOTT ARIZ.
DEC 1950

VALUE COPPER
GOLD
SILVER

Clear Sulphides only

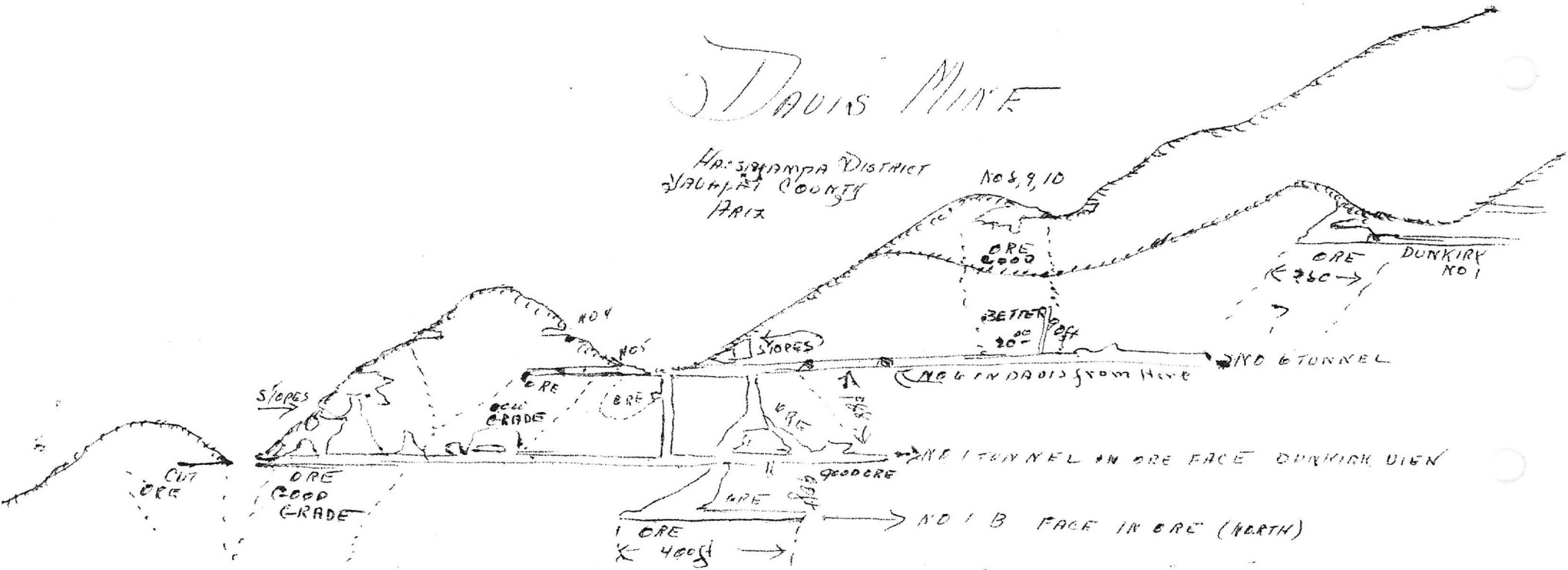
TO DIAMOND

R.N. DICKMAN REPORT DAVIS MINE
1906

PROPERTY OWNED 1950 A.C. & MARTHA VAN HOOK
P.O. BOX 53 PRESCOTT ARIZONA
JESSE SUTTON
VAN HOOK MINE CO.

Davis Mine

Hassayampa District
Yavapai County
Ariz



NO 1 TUNNEL 2200 ft ON DUNKIRK VIEW
NO 6 TUNNEL 1600 ft (800' ON DUNKIRK VIEW)
DUNKIRK NO 1 TUNNEL 600 ft
with 230' CROSS-CUT ADIT

Van Hook Mine Co - A.C. & Martha Van Hook
P.O. Box 23 Prescott Ariz

Values Gold - Silver - Copper
ORE few inches to 20 ft

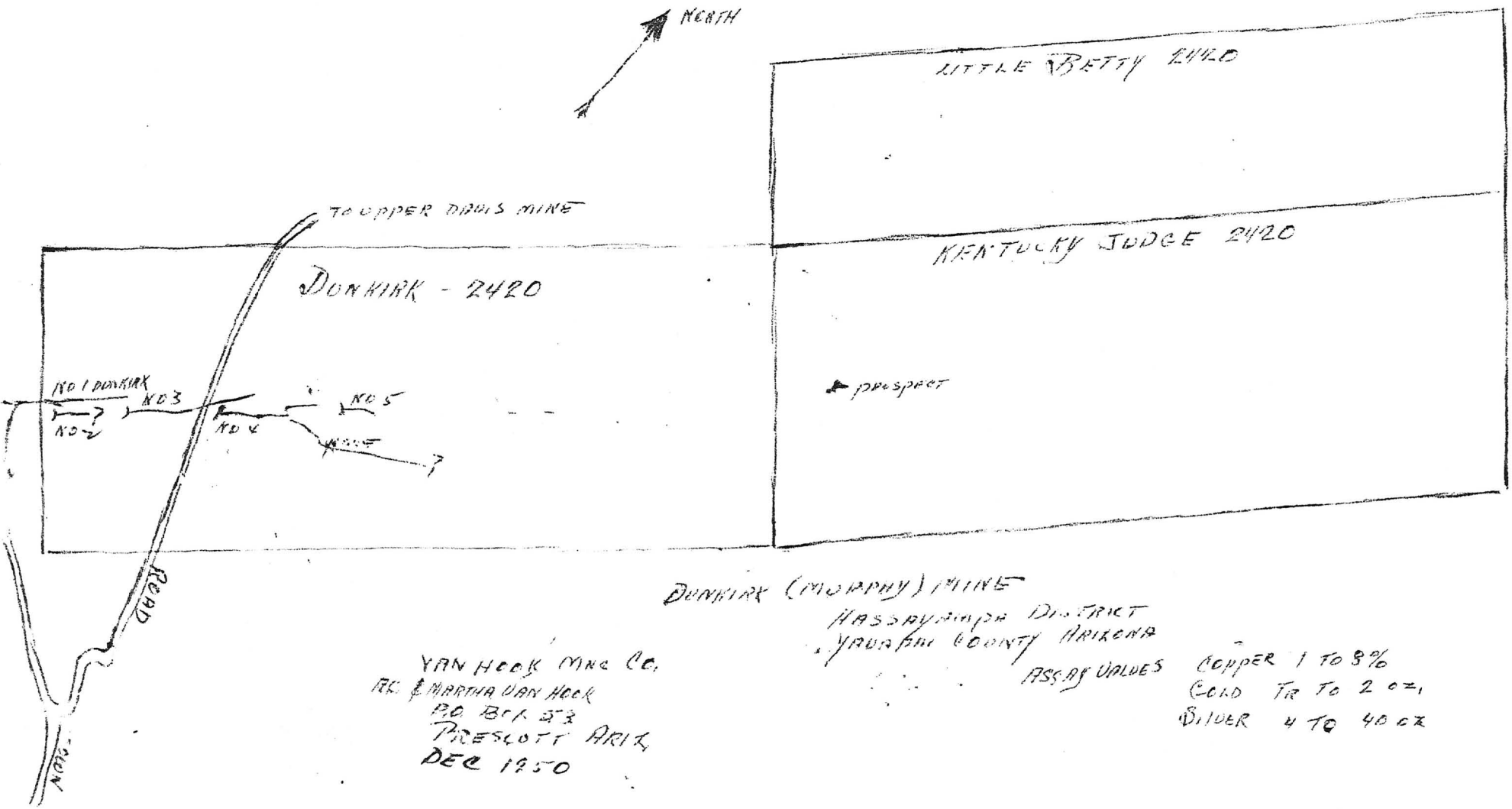
DEC 1950

E. L. SWEENEY REPORT 1931

DAVIS-DUNKIRK MINE

LOWER HALF ONLY

ORIGINAL DUNKIRK MINE



DUNKIRK (MURPHY) MINE
HASSAYAMPA DISTRICT
YAVAPAI COUNTY ARIZONA

ASSAY VALUES COPPER 1 TO 3%
GOLD TR TO 2 oz.
SILVER 4 TO 40 oz

VAN HOOK MNG CO.
AL & MARTHA VAN HOOK
PO BOX 53
PRESCOTT ARIZ
DEC 1950

SWEENEY ppl

TO WHOM IT MAY CONCERN:
The following is copy of a report covering the Davis Dunkirk Mine by E.L.Sweeney given June 15,1931. The part of the report that no longer exists has been omitted in this copy.
A.C.Van Hook

Mr.H.L.Williams
Davis-Dunkirk Mines,Inc.,
Prescott,Arizona

Dear Mr.Williams:

Here with please find report requested on your property,thus bringing up to date the developement of this mine.

Location

The Davis Dunkirk group of claims are situated in the Bradshaw Mountains,about 16 miles from Prescott,Arizona.Prescott is the nearest rail point,and is reached by highwaywhich is now in good condition for trucking of supplies and of concentrates or ore. The first two miles from mine has a heavy grade but outside of that short distance the road is favorable.The property consistes of fourteen patented claims (note 8 claims 1950) and unpatented claims.Location and assesment work has been kept up well on all unpateneted claims,there being no ground with in the outer limits of the block covered that does not belong to the group owned by your company.

Improvements

I have omitted this section as non-existent. A.C.Van Hook,1950.

Present Developement

At the present time there are twenty-three tunnels on the property along the strike of the vein,the portals of these tunnels vary in elevation from 6200 to 7600 feet.Some of these tunnels,are as will be seen by the maps,quite extensive.Some of the older ones are caved.Some stoping of the high grade was done some years ago, and in addition developement work from newer openings was ran thru the new concentrator.The south end of the property only is covered in this report,in so far as ore reserves are concerned.

Geology

There are two main veins on the propetty - the Davis and the Dun kirk.At a point on the Davis No.1 Claim they branch and it is my opion that the Dunkirk is the main vein,the Davis being but a gash or branch vein caused by fracturing in the footwall after the Dunkirk vein was formed.The typical rocks of the property are Granite,QuartzePorphyry,Diorite and Schist.The vein before it splits,consists of a true contact fissure vein,with a Granite footwall and a Diorite hangingwall.Schist in most cases appears along the hanging wall side of thevein between the vein properk and the Diorite,and especially at the southern end of the property is this true.The main branches of the Dunkirk Vein are the Wren whichbranchs on the Azurite Claim,just south of the present workang

and the Davis Vein the branching of which is clearly shown on the Maps.We now know that the junction of the Dunkirk and the Davis Veins is of real commercial importance and it may be expected that the section near the branch of the Wren Vein may easily be of equal importance,but this section is as yet undeveloped.The Dunkirk Vein proceeds far to the north on your companies property and finally is the same vein sa was mined for many at the old Senator Mine.The Dunkirk has at all times a contact gouge and also is found with the schist on one wall as noted above.At Depth with out doubt the Davis and the Dunkirk veins converge and this is certain to occur a short distance below the last workings by your company on the Dunkirk.

Under Ground Workings

The workings at the southern end of the property only will discussed in this report as it is in this portion only that the ore reserves have been calculated,even tho it is a fact that the upper Davis Vein has already made a large production and that good ore evidences still are to be found there.The main workings in the southern end of the property are the number one,two,three,four,five,six,seven and eight and the Poverty (Dunkirk No.1) tunnel.Number one tunnel has been driven for about 1550 feet,mostly on the Dunkirk Vein.Much high grade ~~mining ground~~ stoping-ground was found there by the old timers,but no ore of milling grade was extracted by them.The only mill ore to be taken from this section of the property so far was the small tonnage taken out by your company last year.Over number one is number six tunnelboth of which are clearly shown on the attched map.It is around this section of the ground that I have calculated ore reserves.Here sufficient work has been done so that the ground can be sampled fully at this time.I will not at this time go into details regarding the ground of this section feeling that the data concerning it is already shown on the attached together with the sections of ground of the various ore blocks.The chief points of interest are as follows: First the new work of drifting on the Dunkirk vein,from the point at which the Davis vein Branchs.This work has made possible the blocks number three and four.I wish to particularly point out that my estimates here are very conservative as with out doubt the enriched section of the vein will continue far below my shown ore reserves.Also several very high assays have been neglected in the blocking of this ore.The section covered by block number one (the Poverty section)is quite opened up and also it is direct continuation of the blocks three and four below. Block number two is a section opened up by tunnels numbereight and nine and runs down ward towards number six tunnel.Block number five is around the mouth or portal of number six tunnel and number seven tunnel and is small in extent.Block numbersix runs up from the lower tunnel toward tunnels four and five.Block number seven as well as eight and nine are all near the portal of number one tunnel and are well shown by the numerous tunnels,cross-cuts and stopes and drill holes as shown on the map.Block number ten compares with first block mentioned in that (No.3) it is all new workings and is also near the junction of the Wrennand Dunkirk Vein.I feel that this section of the mine,which like that covered by blocks three and four and nine,is all virgin ground will later prove to be of greater value to the property.In otherwords when cosiders ore reserves as shown by this report it should be kept in mind that that the sections

that the section s of the property that have the most apparent value have not as yet been worked at all.All the workings covered in this report are now (1930) in good shape and canall be entered and sampled.

Ore Reserves...

Below I am giving a table showing ONLY the proven ore reserves of the southern end of property.No credit is given to the ore of the upper or northern end of property,nor is any probable ore included in my estimates,even tho it appears that the ore shown in blocks numbered three,four,nine and ten surely go a great deal deeper than I have shown them.

Block Number	Feet Length	Feet Width	Feet Heigth	Cubic Feet	Tons	Ton Value	Total Value
One	200	5	100	100,000	8333	$10.25-	$85,313
Two	300	4	150	180,000	15000	11.11	166,650
Three	200	6	200	240,000	20000	15.15	302,600
Four	200	6	50	60,000	5000	24.57	122,850
Five	150	3	100	45,000	3750	14.11	52,912
Six	200	3	200	120,000	10000	12.39	123,900
Seven	200	3	160	96,000	8000	12.59	100,000
Eight	200	3	100	60,000	5000	13.76	68,800
Nine	200	3	60	36,000	3000	13.49	40,470
Ten	150	3	50	37,000	3125	21.37	66,781
Total	-----	----	------	-------	81,208		$1,130996

Average Value $ 13.92 1930

Gold @ $20.00 Silver @ $ 0.30 Copper @ $0.10

All the samples taken are for the full average mining width as shown on the width of the ore in the various blocks.The only other explan ation I feel may need be added to the ore reserve as shown and as also appearing on the attached assay map is that the dotted lines on map show long hole drilling made at certain points to show up the ground in those blocks.Attached also is list assays as shown on map by number.The value taken in calculating these assays is as follows: Gold @ 20- Siver @ 0.30 Copper @ 0.10 per pound,which surely are fair figures to take over a long period of time.At the present time Silver and Copper are selling at the very lowest pruces of all time and so any increase in their value will be a direct and net increase in the value of the ore.

Estimates of Costs and Results

I estimate the total operating cost for milling and mining at this time to be at $4.50 per ton of ore mined and milled.The conditions here are very good for cheap andclean mining,as the ground is dry ,well opened up,the veins are all most vertical and of sufficient width to allow of cheap,clean mining.This is especially true in the new ore where the dreater value are to be found.The net worth of ore blocked as shown and useing the operating costs as shown above would thus be over $750,000. This is favorablewhen it is considered that a complete plant is avaible to mine and concentrate this ore. The only work needed to make all of this ore available is to sink two working places as shown: A shaft just south of Slate Creek

and just south of the portal of number one tunnel,and a winze near the new ore shown in blocks three and four. There would also of course be the necessary drifting along the vein to open up this ore.Later these winzes and shafts can be pushed further down,but at first slightly over 100 feet would be sufficient to explore and open up this ore.
The potential value of the mine is hard to estimate but it now seems coservitive to expect that three times the present ore reserves and net worth can be had in the southern end of property alone.

Conclusion

In conclusion I would like to point out that now is the ideal time to operate a gold property and that the developement can best be done a at this time as the costs are less now. The camp milling plant mineare all in first class condition and it only needs small amount of under ground work outlined above to make your property a profitable producer.

Respectfully submitted,

Signed .... E.L.Sweeney
June 15,1931

Sweeney 1. 5

SWEENEY PS

ASSAY RECORD TO GO WITH ASSAY MAP

DAVIS DUNKIRK MINES — E.L.SWEENEY

Block One		Block Two		Block ~~Three~~ two		Block Four	
#1	$ 22.00	# 10	$ 8.00	#21	$ 10.60	#54	$ 118.40
2	17.20	11	9.40	22	16.70	55	90.00
3	8.40	12	13.00	23	14.80	56	26.20
4	7.80	14	6.00	24	10.90	57	18.40
5	6.00	15	4.40	25	7.40	58	21.30
6	10.40	16	6.80	26	16.80		
7	6.80	17	9.00	27	19.20		
8	9.70	18	12.00				
9	4.00	19	14.20				
		20	8.00				

Block Three		Three Cont.		Block Five		Block Six	
#28	$ 9.40	#42	$ 18.00	#59	14.00	#70	9.60
29	8.20	43	16.00	60	20.20	71	10.20
30	16.40	44	16.20	61	8.00	72	14.00
31	18.20	45	15.00	62	9.60	73	8.00
32	13.00	46	14.20	63	12.20	74	7.20
33	12.20	47	12.30	64	17.40	75	28.90
34	8.20	48	9.00	65	15.30	76	9.60
35	10.00	49	14.10	66	16.20	77	12.00
36	14.60	50	12.00	67	12.80	78	18.10
37	15.10	51	16.20	68	16.20	79	12.40
38	14.00	52	18.20	69	13.70	80	16.20
39	16.70	53	19.60			81	8.40
40	26.80					82	9.30
41	19.40					83	11.40
						84	10.60

Block Seven		Block Eight		Block Eight		Block Eight	
#85	$ 8.40	#101	7.00	106	17.00	111	19.20
86	7.20	102	5.10	107	6.00	112	26.80
87	20.20	103	34.50	108	5.10	113	12.20
88	11.10	104	18.00	109	12.00	114	9.60
89	12.50	105	5.00	110	13.60	115	8.40
90	15.00					116	12.00
91	7.00					117	19.70
92	13.60					118	18.00
93	10.00					119	12.40
94	11.20					120	13.80
95	19.40					~~121~~	
96	14.20						
97	16.10						
98	12.80						
99	9.20						
100	13.60						

Signed E.L Sweeney
E.M.

Block Nine	
#121	$ 12.40
122	18.20
123	19.60
124	8.40
125	12.00

Block Ten	
# 126	$ 12.00
127	30.80
128	37.00
129	18.20
130	12.20
131	25.00
132	26.20
133	18.00
134	15.60
135	16.40
136	28.40
137	36.70

Also Samples numbered 101 to 115 inclusive as shown on block number eight assay lists.

Signed E.L.Sweeney
E.M.

June 15,1931

Recording Requested By

FIRST AMERICAN TITLE

When Recorded Mail To:

Leonce A. Richard
Mariscal, Weeks
2901 N. Central Ave., Suite 200
Phoenix, AZ 85012

INSTRUMENT # 9426474
OFFICIAL RECORDS OF
YAVAPAI COUNTY
MARGO W. CARSON
REQUEST OF
CLEONNA RAELS
DATE: 04/29/94 TIME: 15 30
FEE: 5.00 SC 4.00 PT 1.00
BOOK 2823 PAGE 192 PAGES 002

QUIT-CLAIM DEED

Escrow No.

For the consideration of TEN AND NO/100 DOLLARS, and other valuable considerations, ~~xxx~~ DAVIS DUNKIRK MINING CO., an Arizona corporation,

hereby Quit-Claim to CLEONNA R. RALLS, as her sole and separate property,

all right, title, or interest in the following described real property situate in _____ County, Arizona:

See Addendum attached hereto as Exhibit "A" and incorporated herein by reference.

EXEMPT UNDER A.R.S. § 42-1614(a)(5).

DATED: ~~January~~ March, 1994

Ernest R. Ralls
ERNEST R. RALLS, President

STATE OF ARIZONA)
) ss.
County of)

This instrument was acknowledged and executed before me this 16th day of ~~January~~ March 19 94 by ERNEST R. RALLS, as President of the Davis Dunkirk Mining Co., Inc.

My Commission Exp

OFFICIAL SEAL
RENNE C. WILLIAMS
Notary Public - State of Arizona
MARICOPA COUNTY
My Comm. Expires Aug. 3, 1996

Renne C. Williams
Notary Public

STATE OF ARIZONA)
) ss.
County of Maricopa

This instrument was acknowledged and executed before me this ____ day of _____ 19 ____ by _____

My Commission Expires:

Notary Public

TAI-AZ 6054 (Rev. 1/91)

EXHIBIT A

The Davis No. 1 North and New Era No. 2, mining claims in the Hassayampa District designated by the Surveyor General as Mineral Survey No. 1690 in Patent recorded in Book 77 of Deeds, Page 20; the Davis No. 3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey No. 1690 in Patent recorded in Book 77 of Deeds, page 17; and the Dunkirk, Kentucky Judge and Little Betty mining Claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey No. 2420 in Patent recorded in Book 90 of Deeds, page 332.

Effective Date:	County and State where Real Property is located Yavapai County, Arizona
GRANTOR (Name, Address and Zip Code) Commercial Security Bank 50 S. Main, Suite 2000 Salt Lake City, Utah 84144	GRANTEE (Name, Address and Zip Code) Davis-Dunkirk Mining Co., an Arizona corporation, 260 N. Miller Mesa, AZ 85203

Subject Real Property (Address or Location)	Legal Description Proofed by Persons Whose Initials Appear to the Right	1.	2.	3.
Yavapai County, Arizona				

Subject Real Property (Legal Description)

The Davis #1 North and New Era No. 2 mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1691 in Patent recorded in Book 77 of Deeds, Page 20; The Davis #3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1690 in Patent recorded in Book 77 of Deeds, Page 17; and The Dunkirk, Kentucky Judge and Little Betty mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #2420 in Patent recorded in Book 90 of Deeds, Page 332.

TOGETHER WITH any improvements situate thereon.

For valuable consideration, Grantor quit claims to Grantee all right, title and interest of Grantor in Subject Real Property together with all rights and privileges appurtenant or to become appurtenant to Subject Real Property on effective date.

1532 PAGE 39

Commercial Security Bank

By David F. Klomp, Vice President and Assistant General Counsel

Signatures of Grantor

STATE OF Utah COUNTY OF Salt Lake Date of Acknowledgement SEAL	Acknowledgement. On this date, before me, a Notary Public, personally appeared: David F. Klomp known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date January 9, 1984
STATE OF COUNTY OF Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date

This instrument was recorded at the request of:

The recording official is directed to return this instrument or a copy thereof to the above person.

Instrument #12538
Recorded Official Records of Yavapai County, Arizona
APR 25 '83 - 9 30 AM
at the request of Patricia McGuire
PATSY C. JENNEY, County Recorder
By Patsy C. Jenney
County Recorder

CERTIFICATE OF RECORDATION

on the date at the number, and with this instrument ticket and page set ent and that instru- Page

STATE OF ARIZONA, County of Yavapai ss. 6105

I do hereby certify that the within instrument was filed and recorded at the request of Carrington Title Agency

on MAR 3 '83-3 10 PM ... in Book 1520 Official Records Page 281

Records of Yavapai County, Arizona. WITNESS my hand and official seal the day and year first above written.

PATSY C. JENNITY, County Recorder

By Mary A. Young

QUIT CLAIM DEED

R-1 Form 10-71, 12-81

Effective Date:	County and State where Real Property is located Yavapai County, Arizona
GRANTOR (Name, Address and Zip Code) Valley National Bank of Arizona 241 N. Central, 12th Floor Phoenix, AZ 85001	GRANTEE (Name, Address and Zip Code) Davis-Dunkirk Mining Co., an Arizona corporation, 260 N. Miller Mesa, AZ 85203

Subject Real Property (Address or Location)	Legal Description Proofed by Persons Whose Initials Appear to the Right	1.	2.	3.
Yavapai County, Arizona				

Subject Real Property (Legal Description)

The Davis #1 North and New Era No. 2 mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1691 in Patent recorded in Book 77 of Deeds, Page 20; The Davis #3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1690 in Patent recorded in Book 77 of Deeds, Page 17; and The Dunkirk, Kentucky Judge and Little Betty mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #2420 in Patent recorded in Book 90 of Deeds, Page 332.

TOGETHER WITH any improvements situate thereon.

For valuable consideration, Grantor quit claims to Grantee all right, title and interest of Grantor in Subject Real Property together with all rights and privileges appurtenant or to become appurtenant to Subject Real Property effective date.

NO TRANSFER FEE NECESSARY
EXEMPT UNDER ARS ...

Valley National Bank of Arizona
By Robert W. Brown

SEAL

Signatures of Grantor

STATE OF Arizona COUNTY OF Maricopa Date of Acknowledgement January 10, 1983	Acknowledgement. On this date, before me, a Notary Public, personally appeared Robert W. Brown known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date May 15, 1983
STATE OF COUNTY OF Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date

EXEMPT PURSUANT TO A.R.S. § 42-1614 A.4.

QUIT CLAIM DEED

R-1 © LawForms 10-71, 12-81

Effective Date:	County and State where Real Property is located Yavapai County, Arizona
GRANTOR (Name, Address and Zip Code) First Interstate Bank P. O. Box 20551 Phoenix, AZ 85036	GRANTEE (Name, Address and Zip Code) Davis-Dunkirk Mining Co., an Arizona corporation, 260 N. Miller Mesa, AZ 85203

Subject Real Property (Address or Location)	Legal Description Proofed by Persons Whose Initials Appear to the Right	1.	2.	3.
Yavapai County, Arizona				

Subject Real Property (Legal Description)

The Davis #1 North and New Era No. 2 mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1691 in Patent recorded in Book 77 of Deeds, Page 20; The Davis #3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1690 in Patent recorded in Book 77 of Deeds, Page 17; and The Dunkirk, Kentucky Judge and Little Betty mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #2420 in Patent recorded in Book 90 of Deeds, Page 332.

TOGETHER WITH any improvements situate thereon.

For valuable consideration, Grantor quit claims to Grantee all right, title and interest of Grantor in Subject Real Property together with all rights and privileges appurtenant or to become appurtenant to Subject Real Property on effective date.

First Interstate Bank

Signatures of Grantor By [signature] Attorney

STATE OF ARIZONA COUNTY OF MARICOPA Date of Acknowledgement: January 5, 1983	Acknowledgement. On this date, before me, a Notary Public, personally appeared: PATRICK BRICE known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public [signature] Notary Expiration Date My Commission Expires Nov. 28, 1985
STATE OF COUNTY OF Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared: known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date

This instrument was recorded at the request of: CLAUDIA J. KROMAN CARMICHAEL, McCLUE & POWELL, P.C. 4150 N. 12th St. Phoenix, AZ 85014	STATE OF) COUNTY OF) ss. CERTIFICATE OF RECORDATION I certify that this instrument was recorded on the date, at the time, in the docket, beginning with the page number, and with the fee number stamped in the top space of this instrument. If the instrument is of multiple pages, the docket and page no.

QUIT CLAIM DEED

R-1 © LawForms 10-71, 12-81

Effective Date:	County and State where Real Property is located:
GRANTOR (Name, Address and Zip Code) Theresa Williams P.O.Box 412 Mesa, AZ 85201	GRANTEE (Name, Address and Zip Code) Davis-Dunkirk Mining Co., an Arizona corporation, 260 N. Miller Mesa, AZ 85203
Subject Real Property (Address or Location) Yavapai County, Arizona	Legal Description Proofed by Persons Whose Initials Appear to the Right: 1. 2. 3.

Subject Real Property (Legal Description)

The Davis #1 North and New Era No. 2 mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1691 in Patent recorded in Book 77 of Deeds, Page 20; The Davis #3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1690 in Patent recorded in Book 77 of Deeds, Page 17; and The Dunkirk, Kentucky Judge and Little Betty mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #2420 in Patent recorded in Book 90 of Deeds, Page 332.

TOGETHER WITH any improvements situate thereon.

For valuable consideration, Grantor quit claims to Grantee all right, title and interest of Grantor in Subject Real Property together with all rights and privileges appurtenant or to become appurtenant to Subject Real Property on effective date.

NO TRANSFER FEE NECESSARY
EXEMPT UNDER ARS-42-1614

Theresa Williams
Theresa Williams

SEAL

A-4

Signatures of Grantor

STATE OF ARIZONA COUNTY OF MARICOPA Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared: THERESA WILLIAMS, known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date 1985
STATE OF COUNTY OF Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared. known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public 1529 283 Notary Expiration Date

This instrument was recorded at the request of:

STATE OF)
COUNTY OF) ss.

CERTIFICATE OF RECORDATION

I certify that this instrument was recorded on the date, at the time, in the docket, beginning with the page number, and with the fee number stamped in the top space of this instrument. If the instrument is of multiple pages, the docket and page no

STATE OF ARIZONA, County of Yavapai—ss 38712

I do hereby certify that the within instrument was filed and recorded at the request of Carmichael, McClue & Powell

on NOV 15 '83 - 9 30 AM o'clock book 1585 Official Records Page 29-30-31

Records of Yavapai County, Arizona. WITNESS my hand and official seal the day and year first above written.

PATSY C. JENNEY, County Recorder

By Patsy C. Jenney

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA

IN AND FOR THE COUNTY OF YAVAPAI

DAVIS-DUNKIRK MINING COMPANY, an Arizona corporation, Plaintiff, vs. JOHN WILLIAMS, dealing with his sole and separate property; THERESA WILLIAMS, a divorced woman; JON SCOTT WILLIAMS and PAMELA WILLIAMS, husband and wife; THE FIRST NATIONAL BANK OF ARIZONA, a national banking association; THE VALLEY NATIONAL BANK OF ARIZONA, a national banking association; COMMERCIAL SECURITY BANK, a national banking association; WILLIAM L. TESKE, a single man; INTERNAL REVENUE SERVICE, UNITED STATES OF AMERICA; JOHN DOES and JANE DOES I through X; and ABC CORPORATIONS I through X, Defendants.	NO. 41934 JUDGMENT AND ORDER (Assigned to the Honorable Paul G. Rosenblatt, Div. 1)

FILED

This cause having come on for hearing on October 11, 1983, on Plaintiff's Motion for Judgment by default pursuant to Rule 55(b), Arizona Rules of Civil Procedure, and Plaintiff's Motion for Summary Judgment pursuant to Rule 56, Arizona Rules of Civil Procedure; the court finding that as to Defendants JOHN WILLIAMS, JON SCOTT WILLIAMS, PAMELA WILLIAMS and WILLIAM L. TESKE, these Defendants were duly served, that their time to answer has expired, that their default was regularly entered, and that the allegations contained in Plaintiff's Complaint are true and correct; the court further finding that as to Defendant THE FIRST NATIONAL BANK OF ARIZONA, predecessor in interest to FIRST

CARMICHAEL, McCLUE & POWELL
ATTORNEYS AT LAW
4180 NORTH 18TH STREET
PHOENIX, ARIZONA 85014
(602) 241-0777

INTERSTATE BANK, COMMERCIAL SECURITY BANK, THE VALLEY NATIONAL BANK OF ARIZONA, and THE UNITED STATES OF AMERICA, DEPARTMENT OF TREASURY, INTERNAL REVENUE SERVICE, there are no genuine issues of material fact and Plaintiff is entitled to judgment as a matter of law.

NOW, THEREFORE, IT IS ORDERED, ADJUDGED AND DECREED:

1. That the court declare and adjudge that Plaintiff owns in fee simple and is entitled to the quiet and peaceful possession of the real property described as follows:

> The Davis #1 North and New Era #2 mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1691 in Patent recorded in Book 77 of Deeds, Page 20; The Davis #3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1690 in Patent recorded in Book 77 of Deeds, Page 17; and The Dunkirk, Kentucky Judge and Little Betty mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #2420 in Patent recorded in Book 90 of Deeds, Page 332.
>
> TOGETHER WITH any improvements situate thereon.

and that the following Defendants: JOHN WILLIAMS, dealing with his sole and separate property; THERESA WILLIAMS, a divorced woman; JON SCOTT WILLIAMS and PAMELA WILLIAMS, husband and wife; THE FIRST NATIONAL BANK OF ARIZONA, predecessor in interest to First Interstate Bank; COMMERCIAL SECURITY BANK; THE VALLEY NATIONAL BANK OF ARIZONA; THE UNITED STATES OF AMERICA, DEPARTMENT OF TREASURY, INTERNAL REVENUE SERVICE; and WILLIAM L. TESKE, a single man; and all persons claiming under them have no estate, right, title, lien or interest in or to said real property or any part thereof and that Defendants be barred and

forever estopped to claim any estate, right, title, lien or interest in or to said property.

2. That the redemption period as to Defendant THE UNITED STATES OF AMERICA, DEPARTMENT OF TREASURY, INTERNAL REVENUE SERVICE shall be as set forth in 28 U.S.C. Sec. 2410.

DONE IN OPEN COURT this 11 day of Oct, 1983.

Judge of the Superior Court

Original Judgment lodged this 11th day of October, 1983, with:

Honorable Paul G. Rosenblatt
Yavapai County Superior Court
Division One
Prescott, Arizona 86301

Copy of the foregoing mailed this 11th day of October, 1983, to:

Gary V. Scales, Esq.
Assistant U.S. Attorney
4000 United States Courthouse
230 North First Avenue
Phoenix, Arizona 85025

Claudia Estrada

Entered Civil Docket _____ Page _____

RECORDED _____ PAGE _____

STATE OF ARIZONA)
County of Yavapai) ss

I, BARBARA LOYLE, Clerk of the Superior Court of Yavapai County, Arizona, do hereby certify that the foregoing is a true and correct copy of the original on file in my office.

SEAL

DATED: _____

Barbara Loyle
Clerk of the Superior Court

By _____

1585 31

STATE OF ARIZONA, County of Yavapai ss 6107

I do hereby certify that the within instrument was filed and recorded at the request of Carr [illegible]

on MAR 3 '83 3 10 PM o'clock book 1520 Official Records Page 233

Records of Yavapai County, Arizona. WITNESS my hand and official seal the day and year first above written.

PATSY C. JENNEY, County Recorder

By Marsy A. Ebuna

MICROFILMED

QUIT CLAIM DEED

R-1 © LawForms 10-71, 12-81

Effective Date.	County and State where Real Property is located
GRANTOR (Name, Address and Zip Code) Theresa Williams, a single person P.O.Box 412 Mesa, AZ 85201	GRANTEE (Name, Address and Zip Code) Davis-Dunkirk Mining Co., an Arizona corporation, 260 N. Miller Mesa, AZ 85203

Subject Real Property (Address or Location)	Legal Description Printed by Persons Whose Initials Appear to the Right	1.	2.	3.
Yavapai County, Arizona				

Subject Real Property (Legal Description)

The Davis #1 North and New Era No. 2 mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1691 in Patent recorded in Book 77 of Deeds, Page 20; The Davis #3 North mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey #1690 in Patent recorded in Book 77 of Deeds, Page 17; and The Dunkirk, Kentucky Judge and Little Betty mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey #2420 in Patent recorded in Book 90 of Deeds, Page 332.

TOGETHER WITH any improvements situate thereon.

Please record this Deed again, as it has been modified to show Theresa Williams as a single person.

For valuable consideration, Grantor quit claims to Grantee all right, title and interest of Grantor in Subject Real Property together with all rights and privileges appurtenant or to become appurtenant to Subject Real Property on effective date.

NO TRANSFER FEE NECESSARY
EXEMPT UNDER ARS-42-1614

Theresa Williams
Theresa Williams

SEAL

A-4

Signatures of Grantor

STATE OF ARIZONA COUNTY OF MARICOPA Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared THERESA WILLIAMS known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date
STATE OF COUNTY OF Date of Acknowledgement	Acknowledgement. On this date, before me, a Notary Public, personally appeared Known to me or satisfactorily proven to be the person whose name is subscribed to this instrument and acknowledged that he executed the same. If this person's name is subscribed in a representative capacity, it is for the principal named and in the capacity indicated.	Signature of Notary Public Notary Expiration Date

1520 233

1531 356

I do hereby certify that the within instrument was filed and recorded at the request of ARIZONA TITLE CO.
on DEC 17 '82 8 10 AM o'clock Book Official Records Page
Records of Yavapai County, Arizona. WITNESS my hand and official seal the day and year first above written
PATSY JENKINS, County Recorder
By Deputy

SEP 1 1982

M 164508 375
376023

UNITED STATES BANKRUPTCY COURT

FOR THE DISTRICT OF ARIZONA

JUD ORD (C)

In re: JOHN WILLIAMS and THERESA WILLIAMS, Bankrupts.	Case Nos. B-78-575-PHX-HMC B-78-576-PHX-HMC
TOM BARRETT, Trustee, Plaintiff, vs. JOHN WILLIAMS and THERESA WILLIAMS, husband and wife, et al., Defendants.	Adversary No. "0" ORDER DIRECTING ABANDONMENT OF REAL PROPERTY

I hereby certify that the annexed instrument is a true and correct copy of the original on file in the Office of the Bankruptcy Judge.
Dated December 24, 1982
Authorized Clerk

TOM BARRETT, by and through his attorneys undersigned, having filed an Application for Abandonment of the hereinafter described property as burdensome and of inconsequential value to the estates, and after appropriate notice and opportunity for a hearing, no party in interest having objected to such abandonment and good cause appearing therefor,

IT IS ORDERED:

1. That the real property set forth on Exhibit "A" attached hereto and incorporated herein by reference is hereby abandoned, pursuant to Bankruptcy Code, § 554;

2. That the above-captioned bankruptcy estates are divested of all right, title and interest in said property;

3. That pursuant to Bankruptcy Code, § 362(c)(1), the stay or stays of an act against property of the estates, including the automatic stay of § 362(a), have terminated with

CARMICHAEL, McCLUE & POWELL
ATTORNEYS AT LAW
4150 NORTH 12TH STREET
PHOENIX, ARIZONA 85014
(602) 241-0177

respect to said property as property of the estates.

DONE IN OPEN COURT this 20 day of Oct, 1982.

Hugh M. Caldwell
Judge of the Bankruptcy Court

DT 164500 377

The Davis No. 1 North and New Era No. 2 mining claims in Hassayampa District, designated by the Surveyor General as Mineral Survey No. 1691 in Patent recorded in Book 77 of Deeds, page 20; the Davis No. 3 North mining claim in Hassayampa District, designated by the Surveyor General as Mineral Claim No. 1690 Patent recorded in Book 77 of Deeds, page 17; and the Dunkirk, Kentucky Judge and Little Betsy mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey No. 2420 in Patent recorded in Book 90 of Deeds, page 332, records of Yavapai County, Arizona.

WHEN RECORDED PLEASE MAIL TO:
CARMICHAEL, McCLUE & POWELL P.C.
ATTORNEYS AT LAW
4150 NORTH 12TH STREET PHOENIX, ARIZONA 85014

STATE OF ARIZONA } ss
County of Maricopa }

I hereby certify that the within instrument was filed and recorded at request of Carmichael McClue

NOV 30 1982 - 10 15
in Docket 16459
on page 325-327

Witness my hand and official seal the day and year aforesaid.

Bill Henry
County Recorder
By PHYLLIS SALISBURY
Deputy Recorder

BOOK 1504 PAGE 725

EXHIBIT "A"

on JUL 22 '81 - 9 20 AM o'clock book 1397 Official Records Page 567
Records of Yavapai County, Arizona. WITNESS my hand and official seal the day and year first above written.
PATSY J. JENNEY, County Recorder
By [illegible] Deputy

When recorded, mail to:
Claudia K. Roff, Esq.
CARMICHAEL, McCLUE & POWELL, P.C.
4150 North 12th St.
Phoenix, AZ 85014

Witness by hand and official seal.
County Recorder
By
Deputy Recorder

Compared
Photostated
Fee:

Quit Claim Deed

For the consideration of Ten Dollars, and other valuable considerations, I or we, Ernest R. Ralls, sole shareholder of R-C Land Company, a defunct Arizona corporation,

hereby quit claim to Davis-Dunkirk Mining Co., an Arizona corporation,

all right, title or interest in the following real property situated in Yavapai County, Arizona:

The Davis No. 1 North and New Era No. 2, mining claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey No. 1691 in Patent recorded in Book 77 of Deeds, Page 20; the Davis No. 3 North Mining claim in the Hassayampa District, designated by the Surveyor General as Mineral Survey No. 1690 in Patent recorded in Book 77 of Deeds, page 17; and the Dunkirk, Kentucky Judge and Little Betty mining Claims in the Hassayampa District, designated by the Surveyor General as Mineral Survey No. 2420 in Patent recorded in Book 90 of Deeds, page 332.

Dated this 9 day of July 1981.

Ernest R. Ralls
ERNEST R. RALLS, sole shareholder of R-C Land Company, a defunct Arizona corporation

STATE OF ARIZONA
County of Maricopa

This instrument was acknowledged before me this 9 day of July 1981 by ERNEST R. RALLS.

Notary Public
My Commission will expire

STATE OF
County of

This instrument was acknowledged before me this day of 19 by

Notary Public
My Commission will expire

Lawyers Title
OF ARIZONA

(47-0154.00)

PHELPS DODGE CORPORATION

DOUGLAS REDUCTION WORKS

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA October 2, 1931, 19....

NAME Hand Sample Schumacker, Cavoland 13

Smelter Lot	Shipper's Lot	Copper %	Ozs. Per Ton Silver	Ozs. Per Ton Gold	SiO_2 %	Al_2O_3 %	Fe %	CaO %	MgO %	Mn %	Zn %	Pb %	S %	Cl %	%	%
2040		0.09	NIL	NIL	60.7	10.5	7.4	2.8	2.7	0.3	TR	TR	1.2			

Chief Chemist

Form DRW-2060 (Rev. 11-74)
(47-0154.00)

PHELPS DODGE CORPORATION

DOUGLAS REDUCTION WORKS

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA October 2, 1931, 19....

NAME Hand Sample Schumacker, Cavoland 3

Smelter Lot	Shipper's Lot	Copper %	Ozs. Per Ton Silver	Ozs. Per Ton Gold	SiO_2 %	Al_2O_3 %	Fe %	CaO %	MgO %	Mn %	Zn %	Pb %	S %	Cl %	%	%
[illegible]		1.[illegible] 1.07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TR	[illegible]			

Chief Chemist

(47-0154.00)

PHELPS DODGE CORPORATION

DOUGLAS REDUCTION WORKS

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA September 30, 19[illegible], 19

NAME [illegible], Cavoland - [illegible]

Smelter Lot	Shipper's Lot	Copper %		Ozs. Per Ton Silver		Ozs. Per Ton Gold	SiO_2 %	Al_2O_3 %	Fe %	CaO %	MgO %	Mn %	Zn %	Pb %	S %	Cl %	%	%
						[illegible]	[illegible]	10.2	10.4	[illegible]	[illegible]	[illegible]	TR	TR NIL	[illegible]			

Chief Chemist

Form DRW-2060 (Rev. 11-74)
(47-0154.00)

PHELPS DODGE CORPORATION

DOUGLAS REDUCTION WORKS

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA September 30, 1981, 19

NAME Hand Sample Schumacher, Cavoland - 6

Smelter Lot	Shipper's Lot	Copper %		Ozs. Per Ton Silver		Ozs. Per Ton Gold	SiO_2 %	Al_2O_3 %	Fe %	CaO %	MgO %	Mn %	Zn %	Pb %	S %	Cl %	%	%
		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	8.9	0.1	[illegible]	[illegible]	[illegible]	TR	7.4	NIL		

Chief Chemist

(47-0154.00)

PHELPS DODGE CORPORATION

DOUGLAS REDUCTION WORKS

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA ..... 19.....

NAME Hand Sample Schumacher, Cavanaugh

Smelter Lot	Shipper's Lot	Copper %		Ozs. Per Ton Silver		Ozs. Per Ton Gold	SiO_2 %	Al_2O_3 %	Fe %	CaO %	MgO %	Mn %	Zn %	Pb %	S %	Cl %	%	%
		0.08		0.[illegible]		0.00[illegible]	[illegible]	[illegible]	13.[illegible]	[illegible]	[illegible]	[illegible]	TR	TR	2.1			

Chief Chemist

Form DRW-2060 (Rev. 11-74)
(47-0154.00)

PHELPS DODGE CORPORATION

DOUGLAS REDUCTION WORKS

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA October 2, 1983 19.....

NAME Hand Sample Schumacker, Cavanaugh 35

Smelter Lot	Shipper's Lot	Copper %		Ozs. Per Ton Silver		Ozs. Per Ton Gold	SiO_2 %	Al_2O_3 %	Fe %	CaO %	MgO %	Mn %	Zn %	Pb %	S %	Cl %	%	%
[illegible]		0.1[illegible]		1.[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]			

Chief Chemist

AMERICAN SMELTING & REFINING CO.
SELBY SMELTING WORKS
105 MONTGOMERY STREET
SAN FRANCISCO, CALIF.

JESSE SEAMAN
MANAGER

September 9, 1939

E. J. Sikes, and R. P. McLeod
102 N. McCormick
Prescott, Arizona

Gentlemen:

We are enclosing our settlement statement covering your delivery of four sacks ore, Selby Lot 4260, showing net proceeds, $4718.90.

You will note that we have withheld payment of the silver values on this lot, $33.42, and royalty due Mr. Ross Jones amounting to $470.89.

Our check for one-third of the net proceeds payable to E. J. Sikes in amount $1404.86 is enclosed. In a separate letter we are enclosing check for two-thirds of the amount due, $2809.73 payable to R. P. McLeod.

Affidavit of Miner Form TGA-2 is enclosed covering the silver content of this shipment. Upon return to us of the original affidavit form properly executed before a Notary, together with one copy, (The copy does not need to be Notarized.) checks will be forwarded for one-third of the silver values to E. J. Sikes; and two-thirds to R. P. McLeod, and at that time we will forward our check for the royalty due Mr. Ross Jones.

The grab sample taken from the five sacks of ore has been assayed in our laboratory and results show as follows:

Gold:	45.80 ozs. per ton
Silver:	25.20 ozs. per ton
Wet Lead:	0
Arsenic:	0.55%
Copper:	0.3%
Antimony:	0
Insoluble:	83.6%
Iron:	7.9%
Lime:	0
Zinc:	0
Sulphur:	5.8%

BRC

BAHAMIAN REFINING CORPORATION
CUSTOM REFINERS. COMPLETE ANALYSIS & FLOWSHEET DESIGN

9222 N. 14TH AVE., PHOENIX, ARIZ. 85021
TELEPHONE (602) 279-9702

March 29, 1980

Cletus Caroland
454 N. Ashland
Mesa, AZ 85203

Dear Mr. Caroland:

By actual recovery, using both hydrochemical and ferometallurgical methods, all in oz. per ton, your values on your Dunkirk concentrate are 18.54 gold and 12.69 silver with good platinum.

If you have enough of this for the mill to reconcentrate you should be able to get it into a form that we could handle in the lab here.

Sincerely,

Fred Finell, Jr.

FF:kt

As a mutual protection to clients, the public and this corporation, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from this corporation.

phelps dodge Corporation Douglas Reduction Works, P. O. Drawer E, Douglas, Arizona 85607 • (602) 364-2441

October 12, 1981

Mr. Myron Caroland
Kamay
Texas

Dear Mr. Caroland:

We have assayed your samples and may be interested in processing some of this material. For further information, please contact Mr. A. J. Gilbert at the following address:

Gilbert Construction Company
400 Arizona Street
Bisbee, Arizona 85603

Telephone: (602) 432-2078

Thank you for your inquiry.

Yours very truly,

A. R. A. Schumacher
Chief Smelter Metallurgist

ARAS/bs

cc: Mr. W. L. Gage w/encl.
Mr. A. J. Gilbert w/encl.

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
815 WEST MADISON STREET PHOENIX, ARIZONA 85007 PHONE 254-6181

For Mr. E. R. Ralls
260 North Miller
Mesa, Arizona 85203

Date July 23, 1975

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
9898	Sample #15	0.02	9.2				

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR
IKE KUSISTO
P.O. Box 13237
Phoenix, Az. 85002

October, 4, 1974

DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
# 13 Tunnel, Davis Dunkirk	1.195	14.28			1.80	5.84	0.10

CHARGES $11.25 Pd by

ASSAYER

HAZEN

Hazen Research, Inc.
4601 Indiana St. • Golden, Colo. 80403
Tel: (303) 279-4501 • Telex 45-860

November 12, 1986

Mr. Martin Vorum
1410 East Cornell
Englewood, CO 80110

Re: HRI Proposal 86-270
Testing of Three Gold Ores

Dear Mr. Vorum:

This is in response to your request of October 28, 1986, for our proposal to evaluate various gold ore samples. For purposes, herein, we assume freight paid receipt here of three, three tons each, samples for our work.

Phase I

Each sample will be inspected and, if necessary, any pieces larger than eight inches will be broken.

Each sample will then be blended and split into approximately a one-third portion and a two-third portion.

Based upon the observation that precious metals frequently concentrate to some degree based upon ore size and in hopes that your materials may be upgraded in that manner, we will then dry screen the one-ton splits of each on 6-, 2-, 1-, and 0.5-inch. The resultant five fractions of each will be crushed and prepared for fire assay. A head grade will be calculated based upon the weights and assays of the fractions.

We will report our Phase I findings to you in a brief letter report and, if thought appropriate, will recommend a Phase 2 testing program for recovering the precious metal(s).

Phase 2

Although we do not now know exactly what Phase 2 will involve until Phase 1 work is done and we have observed the samples, Phase 2 is likely to involve all or part of the following.

1. If Phase 1 shows that screening is beneficial, the remaining 2/3 split of each will be so screened and the rejected fraction(s) held.
2. The remaining portion or, alternatively, the total 2/3 splits, will be crushed through 3/8 inch.
3. The minus 3/8-inch materials will be blended and split into assay, test, and reject portions. Assays will be performed.
4. Portions of the test charges will be taken to the laboratory, will be further reduced in size, as is appropriate, and portions will be tested for gold recovery by (a) flotation, (b) leaching, and/or (c) gravity.
5. A Phase 2 letter report will be issued.

Time and Cost

Since the scope of Phase 1 work only can now be visualized accurately, we quote time and cost estimates for that phase only.

Phase 1, we estimate, can be completed within one month of receipt of the three samples. The cost for breaking, blending, splitting, screening, preparing, assaying, and preparing our Phase 1 report will be approximately $2,000 1/. This cost includes all labor, supervision, and assays, but does not include freight to and from 2/ Hazen, prolonged technical meetings, or barrels, if required.

Should you wish to authorize Hazen to conduct Phase 2, Hazen will prepare an estimated scope and cost for that phase. For budgeting purposes, however, you can assume the following unit costs based upon the work which ultimately may be performed.

1/ One sample will cost approximately $1,000; whereas, two will cost approximately $1,500.

2/ Client agrees to take all sample rejects back at the end of testing at client's direct cost.

PHASE 2

1.	Sample preparation and assaying, $ per approximately 2-ton sample	$500-700
2.	Testing, $ per test	
	a) If leaching (3) 1/	250
	b) If flotation (3) 1/	350
	c) If gravity (2) 1/	300
3.	Assaying, per test	50-100
4.	Report preparation	500-750
5.	Contingency (of total)	10%

Clarify items

Overall?

Again, Phase 2 costs shown do not include freight, waste disposal, barrels, if any, and extended technical meetings.

If you decide to use our geologist, Mr. John Holland, his rate is $450/day plus per diem and travel.

General

If you decide to proceed with Phase 1 work, please sign and return the copy of this letter for our files. As is our custom, we ask that you send us your check for one-half the estimated cost; i.e., $1000, as a deposit.

We appreciate this opportunity to offer our proposal for Phase 1 work, and hope we can be of service.

Yours very truly,
HAZEN RESEARCH, INC.

D. R. Shaw
Project Manager

Approved _____

Date _____

DRS:mb

1/ Likely number of tests per sample are in parentheses.

Colorado School of Mines Research Institute

5930?

5920 McINTYRE STREET • GOLDEN, COLORADO 80403
PHONE (303) 279-2581 • TELEX 754211 • CSM Res Gldn

CSMRI

November 19, 1986

CSMRI Project NP-864056-88

Mr. Martin Vorum
1410 E. Cornell Ave.
Englewood, Colorado 80110

Dear Sir:

Per our discussions of November 19, 1986, CSMRI is pleased to submit this proposal to evaluate the amenability of your client's ore sample to cyanide leaching. As I mentioned, the first task will be to crush the sample to a nominal 1 inch, blend the ore and split out a 50 pound sample for analytical purposes. The 50 pound sample will be further crushed to minus 10 mesh and a sample will be split out. The analytical sample will be fire assayed for gold and silver.

Assuming the assay results are positive, CSMRI would then conduct a rolling bottle test on the minus 10 mesh ore to determine cynaide amenability. The test would be run over a 72 hour period with samples being taken at 2, 4, 8, 24, 48 and 72 hours. Reagent consumption and extraction percentages would be calculated for that leach period.

The cost of this project is presented below.

Sample Preparation:	$350
Rolling Bottle Test:	$250

These two tests will provide your client with sufficient preliminary data to decide whether or not to continue with the project.

If you have any questions or if I can be of further assistance, please do not hesitate to call.

Respectfully,

W J Ruppert/for

Gregory F. Chlumsky
General Manager of Operations

/mjs

ATA

"From Mine Tailings"

AURO-TECH ASSAYING • 5158 PARFET ROAD • WHEAT RIDGE, CO 80033 • (303) 431-4563

CSMRI
5930 McIntyre Street
Golden, CO 80403

ATTN: Mr. Greg Chlumsky

February 18, 1987

Dear Sir:

Analyses report for samples submitted by you on February 12, 1987.

Project 101 ATA #2256 2 pulps for AuAg fire assay.

CSMRI Project #NP 864056-77 P.O. #8990.

ATA #	CSMRI #	Au oz/ton	Ag oz/ton
2256-1	Sample #1 -10m (2000 grs)	0.005	0.288
-2	Sample #2 -10m (2000 grs)	0.005	0.355

Sincerely,

Russell L. Shirley

RLS:sf

STATE OF ARIZONA
FIELD ENGINEERS REPORT

1-f2

Mine: The Van Hook Mine — Date: May 30, 1943

District: Hassayampa — Engineer: Behngrell W. Brown

Subject: Examination for A. C. Van Hook, owner, Box 53, Prescott, Arizona.

The Van Hook Mine, composed of twelve claims, nine of which are patented, lies in the Hassayampa Mining District about 14 miles south of Prescott - T 12 N R 2 W, Sec. 3, 34, 35; G & SRM. The property was formerly operated and grouped into the Bradshaw Mines under the Davis-Dunkirk interests.

The property is reached by the Senator highway and is located two miles from the main road by way of a graded mine road.

Although there are extensive workings on all of the twelve claims, consisting of more than 6,000 feet of tunnels, raises and stopes, over a vertical range of more than 1,600 feet, the Van Hook Mining Co. is at present, interested only in reopening and developing the workings on the Van Hook #1, otherwise known as the Poverty lode. These workings are now inaccessible due to water, muck and caving. These workings are said to consist of a 210 foot crosscut tunnel breaking into a drift driven on the strike of the vein from which considerable underhand and overhand stoping has been effected.

The geology of the main vein, which strikes northeastward across these claims, and on which the Poverty workings appear to be, has been discussed briefly by Lindgren and G. M. Butler. The vein matter occurs on a contact of schist and diorite. Butler reports that the vein filling is mainly coarse-grained, grayish-white quartz with abundant pyrite and chalcopyrite. Assay reports, said to have been made of sampling from the stopes in the Poverty workings, would indicate that there are goodly copper values in this mine. The assays are listed as follows:

Number	Gold	Silver	Copper
1.	0.36 oz.	22.24 oz.	3.90%
2.	0.24	27.00	7.98
3.	0.02	4.02	1.60
4.	0.02	7.40	2.40
5.	0.02	11.64	2.10

The history of the past operation of this property has been one of good production and poor management. There is evidence of overdevelopment and poorly executed prospecting in some of the workings, and it is believed that the 120 ton flotation mill, which was built by the Davis-Dunkirk interests on the property as an integral part of their mining program, was ill-advised.

The Van Hook Mining Co., in setting out to operate in the old workings on the Poverty claim, might well profit by the mistakes of previous operators. It is my considered opinion that, upon rehabilitation, this property might develop into a good small producer of copper fluxing ore. This would be predicated upon rehabilitation as indicated in the estimate below, followed by selective mining in the old stopes and pillars and eventual sinking with underhand stoping on the ore to a distance to be determined by the values uncovered.

MAY 30, 1943

Estimate of rehabilitation work necessary to make the Poverty workings accessible:

Truck and haulage equipment	$1,000
Timber	400
Compressor and equipment	1,000
Labor and management	2,000
Contingencies	600
Total	$5,000

There is ample water on the property for mining purposes.

/s/ Bahngrell W. Brown

ORIGINAL

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Name The Van Hook Mine

Date May 30, 1943

District Hassayampa

Engineer Bahngrell W. Brown

Subject: Examination for A. C. Van Hook, owner, Box 53, Prescott, Ariz.

The Van Hook Mine, composed of twelve claims, nine of which are patented, lies in the Hassayampa Mining District about 14 miles south of Prescott - T 12 N R 2 W, Sec. 3, 34, 35; G & SRM. The property was formerly operated and grouped into the Bradshaw Mines under the Davis- Dunkirk interests.

The property is reached by the Senator highway and is located two miles from the main road by way of a graded mine road.

Although there are extensive workings on all of the twelve claims, consisting of more than 6, 000 feet of tunnels, raises, and stopes, over a vertical range of more than 1, 600 feet, the Van Hook Mining Co. is, at present, interested only in reopening and developing the workings on the Van Hook #1, otherwise known as the Poverty lode. These workings are now inaccessible due to water, muck, and caving. These workings are said to consist of a 210 foot crosscut tunnel breaking into a drift driven on the strike of the vein, from which considerable underhand and overhand stoping has been effected.

The geology of the main vein, which strikes northeastward across these claims, and on which the Poverty workings appear to be, has been discussed briefly by Lindgren and G. M. Butler. The vein matter occurs on a contact of schist and diorite. Butler reports that the vein filling is mainly coarse-grained, grayish-white quartz with abundant pyrite and chalcopyrite. Assay reports, said to have been made of sampling from the stopes in the Poverty workings, would indicate that there are goodly copper values in this mine. The assays are listed as follows:

Number	Gold	Silver	Copper
1.	0.36 oz	22.24 oz	3.90 %
2.	0.24	27.00	7.98
3.	0.02	4.02	1.60
4.	0.02	7.40	2.40
5.	0.02	11.64	2.10

The history of the past operation of this property has been one of good production and poor management. There is evidence of overdevelopment and poorly executed prospecting in some of the workings, and it is believed that the 120 ton flotation mill, which was built by the Davis-Dunkirk interests on the property as an integral part of their mining program, was ill-advised.

ORIGINAL

(C)- 7

The Van Hook Mining Co., in setting out to operate in the old workings on the Poverty claim, might well profit by the mistakes of previous operators. It is my considered opinion that, upon rehabilitation, this property might develop into a good small producer of copper fluxing ore. This would be predicated upon rehabilitation as indicated in the estimate below, followed by selective mining in the old stopes and pillars and eventual sinking with underhand stoping on the ore to a distance to be determined by the values uncovered.

Estimate of rehabilitation work necessary to make the Poverty workings accessible:

Track and haulage equipment	$ 1, 000
Timber	$ 400
Compressor and equipment	$ 1, 000
Labor and management	$ 2, 000
Contingencies	$ 600
Total	$ 5, 000

There is ample water on the property for mining purposes.

Bahngrell W. Brown

Bahngrell W. Brown

FIELD ENGINEER

The Davis Dunkirk group of mines was aquired by us in 1943 having been previousely work by vari se operators since the 1860s of the pas century. Large scale opera ons were carried on by Davis Dunkirk Inc., and the Bradshaw Mines Inc. from 1925 to 1937 and a mill of 75 tons was installed during those operations. The property was completely vacated of all equipment when we gained controll of property.

During World War II, we operated and small shipments were made.

Ore reserves are mostly unknown to us as have been unable to resample the property as portals of some tunnels have been made inacessible. How ever maps prove that most ore blocked out by Sweeney in his report of 1931 is still intact.

In order for large scale operations to be carried out the lowest tunnel (No I) must be opened and track and pipe installed as well as other equipment. This tunnel should be driven ahead to cut other known ore bodies north of present face, however pro duction can be resumed to an extent by opening this tunnel. The tunnel just over No 1 called No 6 will also have to be re-equipted and the north face advanced as sub level under the same block of ore mentioned above. It is thought that a milling plant would have to be installed at the lower tunnel portal as much ore of mill grade will be opened by this work.

The veins are nearly vertical in dip and the wall rock stands well, making a lower cost production possible.

With the exception of the lower no positive ore is blocked out that we know of. The lower tunnel was in production in 1937 according to records of former operators. Have lots much on upper levels of mine.

The ore width varies from few inches to over five feet in width with considerable varience in values which are lenticular and some what irregular in distributation along the vein systems.

Present owners and operators are Van Hook Mining Co, P.O. Box 53 Prescott, Arizona.

A. Van Hook Sept

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

1-f2

Mine	The Van Hook Mine	Date	May 30, 1943
District	Hassayampa	Engineer	Bahngrell W. Brown

Subject: Examination for A. C. Van Hook, owner, Box 53, Prescott, Arizona.

The Van Hook Mine, composed of twelve claims, nine of which are patented, lies in the Hassayampa Mining District about 14 miles south of Prescott - T 12 N R 2 W, Sec. 3, 34, 35; G & SRM. The property was formerly operated and grouped into the Bradshaw Mines under the Davis-Dunkirk interests.

The property is reached by the Senator highway and is located two miles from the main road by way of a graded mine road.

Although there are extensive workings on all of the twelve claims, consisting of more than 6,000 feet of tunnels, raises and stopes, over a vertical range of more than 1,600 feet, the Van Hook Mining Co. is at present, interested only in reopening and developing the workings on the Van Hook #1, otherwise known as the Poverty lode. These workings are now inaccessible due to water, muck and caving. These workings are said to consist of a 210 foot crosscut tunnel breaking into a drift driven on the strike of the vein from which considerable underhand and overhand stoping has been effected.

The geology of the main vein, which strikes northeastward across these claims, and on which the Poverty workings appear to be, has been discussed briefly by Lindgren and G. M. Butler. The vein matter occurs on a contact of schist and diorite. Butler reports that the vein filling is mainly coarse-grained, grayish-white quartz with abundant pyrite and chalcopyrite. Assay reports, said to have been made of sampling from the stopes in the Poverty workings, would indicate that there are goodly copper values in this mine. The assays are listed as follows:

Number	Gold	Silver	Copper
1.	0.36 oz.	22.24 oz.	3.90%
2.	0.24	27.00	7.98
3.	0.02	4.02	1.60
4.	0.02	7.40	2.40
5.	0.02	11.64	2.10

The history of the past operation of this property has been one of good production and poor management. There is evidence of overdevelopment and poorly executed prospecting in some of the workings, and it is believed that the 120 ton flotation mill, which was built by the Davis-Dunkirk interests on the property as an integral part of their mining program, was ill-advised.

The Van Hook Mining Co., in setting out to operate in the old workings on the Poverty claim, might well profit by the mistakes of previous operators. It is my considered opinion that, upon rehabilitation, this property might develop into a good small producer of copper fluxing ore. This would be predicated upon rehabilitation as indicated in the estimate below, followed by selective mining in the old stopes and pillars and eventual sinking with underhand stoping on the ore to a distance to be determined by the values uncovered.

2.f2

MAY 30, 1943

Estimate of rehabilitation work necessary to make the Poverty workings accessible:

Track and haulage equipment	$1,000
Timber	400
Compressor and equipment	1,000
Labor and management	2,000
Contingencies	600
Total	$5,000

There is ample water on the property for mining purposes.

/s/ Bahngrell W. Brown

R.N. DICKMAN REPORT DAVIS MINE
1906

PROPERTY OWNED 1950 A.C. & MARTHA VAN HOOK
P.O. BOX 53 PRESCOTT ARIZONA
JESSE SUTTON
VAN HOOK MINE CO.

REPORT ON THE DAVIS GROUP OF MINES
IN THE
HASSAYAMPA MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
By R.N.Dickman July,1906

The portions that are no longer connected with this property have been omitted in this copy (1950) A.C.Van Hook.

Location:
As above indicated the group is located in the Hassayampa Mining District about 14 miles by wagon road easterly from Prescott, Arizona; and about seven miles from the Mount Union Station on the Poland Branch of the S.F.& P.RR, a branch of the Santa Fe System. The Locations, consisting of the Azurite, New Era, Davis No.1, New Era No.2, and the Davis No.3 (the Davis No.3 is now not connected with property - 1950 A.C.Van Hook), all Patented, run a northeasterly and southwesterly direction, and cover a total length of 6474.7 feet on the vein course.

Geological:
The country rock in which the mineralized zones occur is porphyritic. To the northwest and not far from the main trend of mineralization the country rock is granitic, butno discovery has been made of any contact deposits. It may be surmised that at great depths the mineralization courses may run to the contact, but the porphyry which is open and shattered locally, evidently offered less resistance to intrusions than the contact plane, so that the mineral trends are in porphyry at the present known depths.

If we under stand by "fissure veins" those enclosed by two well defined walls, the Davis mineralization would not come under such a head. The porphyry presents rather wide belts of permeable rock which have been mineralized by replacement along natural fractures in a general northeasterly and southwesterly direction, sometimes following a well defined "slip on one or both walls (so called), but often departing abruptly fromtrue course. Constant cross cutting is hence essential tofollowing the orebodies, and most apt to succeed toward the softer ground away from the granitic contact at the present Known Depths or zones. The writer has illustrated his idea of the ore occurance in a general way on map submitted. A magnified instance is the departure of the "South Vein" from the main trend

Historical:
The properties have been intermittently worked since discovery in the early 60's. The surface ores are oxidized to but a shallow depth and must have been free milling but a small extent. Ore under $50.00 gross value could not have been shipped under those conditions.

Examination:

Explanatory
In April 1905 a very complete examination was made by Mr.Wm. A.Farish assisted by Mr.Campbell. This examination covered all the accessible surface work. Accurate maps were made and the sampling

was of a thorough nature.The writer is well acquainted with the methods of Mr.Farish and absolutely content to take this data as beyond criticism or appeal on the ground which has remained un worked in the interval.In the meantime,however,much work has been done.This has been sampled by the writer,as well asold work with in the exsa comprized withinthese limits,new and old.On the re mainder the writer simply summarizes Mr.Farish's results.On tunnel No 1 the results will not agree at all,since the tunnel has been raised and the bottom filled for a long distance exposing new faces along entire old roof,so that the vein matter is higher than that sampled by Mr.Farish. The old tunnel numbers are retained and should be retained in all future engineering for convenience of reference.

Details of Examination:

'New Era Shaft.

This shaft has reached depth of 50 ft. showing a streak of ore varying from .5 to 1.0 ft of suphide ore.The bottom showed .5 ft to the S W and .9ft to the N E.Sample no 44 shows,

gold... .30 oz.per ton
silver. 12.22 oz.
copper 2.99 % Present value $16.90

Taking gold at $20.00 per ounce,silver at .60 per ounce and copper at .15 per lb.net or $3.00 per unit or % of 20 lbs.the value is $16.90 per ton.This will be basis used in this report.

Tunnel no 1

This tunnel for its entire length is in porphritic rock as described in geological paragraph.

0' to 120' For this distance the ore is continuous.The average width shows 2.44 ft. and average value $35.17.per ton
120 to 180' No ore.Occasional gough easily followed.
180' Four feet of ore,Sample 12 Value$35.85
184 to 216' No ore.
216' Steak for few feet averageing 1.0ft width.Value 5.84
219 to327' No ore.
327 A few feet of ore 1.6ft. Sample 14 shows 52.73
340 to 440' Continuous ore ave. .6 Value 32.38 per ton
440 to 490 No ore except occasional very small bunches.
490 to 650 ft 160 long ave. 2.02ft width and 14.24
650 to 740 No ore
740 ft Very narrow streak .2ft 15.20
740 to 912 (7/4/06) No ore.It appears the narrow streak at 740' may run behind shaft and the cross cut at860ft was intended to cut and intercept.At 66 ft N W,no ore had been met.The writer is not inclined to look forore tothe northwest in the closest granitic groung.Summarized we have the tunnel 513 ft out of 912ft showing ore infour chutes,averaging about 122 ft each in length with about 110ft between them on the average.This is very favorable ore occurance and the indications are thatanother ore shoot will soon be encountered beneath tunnels 6 and 7. As shown the ore averages about 1.8ft and about$25.11 per ton,taken as it runs.Samples 43 and 45 show the dumps to sample higher grade of 26.35.

Tunnel No 2

This tunnel is 180 ft in length.At the moutj 80'has been stoped The face shows per sample no 49 value 108.59.From 80 to 120' the hanging wall is folowed and the average width was 1.5ft.Sample taken along the 40ft at 5' intervals shows (46) Value 43.91.From 120 to 180 the footwall is followed the ore recovered by a cross

Tunnel 2 cont.
cut.This 60 ft.sampled in 5 ft intervals shows (47) 24.50 per ton width of 1.0ft... The face shows width of 1.2ft value (48) 5.38. The dump was much mixed and would have to be sorted.About 50% would be ore and a sample (50) showed value 31.60..At the mouth of tunnel a shaft 40 ft was sunk and ground stoped both ways.The N.E.drift shows from .4 to .8ft of ore value (51) 83.37 per ton. The S.W. drift shows 3.0ft wide giving (513) $22.10 per ton.While impossible to accurately figure the tonnage it will be seen that there is a strong probability,indeed,a certainty of considerable tonnage in this ground.It will naturally be obtained by stopeing from no 1 tunnel.

Tunnel No.3
The face of this 60 foot tunnel shows 2.5 feet of ore of value (52A) $36.32 per ton.The bottom of the winze shows 3.7feet width and value sample no.52 $61.48 per ton.The showing on bottom is extremely good being clean shipping sulphide ore.This area from no.3 through no 2 to No 1 augurs exceedingly well.

Tunnel No.4
This tunnel 100ft long shows vein almost continuous for 100 feet averaging 2.0ft width and still 1.0ft at face.Mr Farish's sample was taken from this tunnel showing trace of gold,6.2 oz.silver and 3.7% copper value of 14.82 per ton.

Tunnel No 5
This tunnel is 200ft long.The ore struck is intermittant and very variable,giving the appearance of little value in the main.Mr Farish's samples showed no commercial value and the work was not re sampled. Though of milling grade and the fact that overhead stopes (now Filled) were carried on from no 1 tunnel would prove that some pay ore was extracted.It will require work from below to prove value of this area.

No.6 Tunnel
This tunnel reached 410 feet on 7/5/'06.Up to 300 feet little ore was found beyond occasional bunches following the fractures.Some cross cutting is recommended.From 300ft to 370 feet the ore is more or less continuous either on top or bottom,but is frequently found in several streaks in the porphyry.The samples taken showed as follows: (Map)

Number	Discription	Width	Value
#54	Winze 4' at 470ft	5.0ft	20.37
56	Cut at 355 ft	5.0ft	7.18
57	Cut at 340 ft	5.0ft	10.16
58	cut at 320ft	2.0ft	24.74
59	Winze 4' at 305ft	.6ft	42.74
60	Selected at 300ft	0.5ft	86.10
55	Dump out side tunnel	-----	15.19

The ore shute in no 6 promises well for no 1 tunnel in a short dis tance farther;in its self the ground is satisfactory.

Tunnel No 7
This tunnel shows what is apparently mill ore near its mouth.For the remainder the ore is intermittant.No sampling was done as the ore was much scattered and the tunnel not in shape for proper sampling. In this tunnel how ever may be seen an interesting instance of the change of ore from one plane of porphyry to another.This accurs near the end of cross cut to S.E.Work is not advised.As work from no 6 will get this ore.

Ground to the North West
On this ground the writer did no sampling but made a carefull exami nation of the ground with Mr.Farish's Report in Hand.The raeson for thi this was primarily the opinion that it would be up on deeper works and its results that the decision would rest. The writer regards the oe ore now shown as only economically available when there shall be justification for the sinking of shaft near tunnel no 9 with tunnel run N.E. to get under higher ground.This probably will be several years distant.It would be well to summarize Mr.Farish's results which is done;

Tunnel No 8
Length 60ft.Winze 15 ft now filled with water.Vein from 0.2ft to 2ft width.Sample by writer; gold trace,silver 1.22 oz. copper trace.

Tunnel No.9
Length 70ft.Vein2ft for30 ft. balance seem in very hard porphyry. Shaft full of water.Dump sample by Farish; Gold - 2.42 oz. Silver 30.0 oz. Copper 8.20%

Open Cut No 10
Decomposed honeycombed material.No value.

Open cut No 11
Open cut short distance and short tunnel showing few inches of ore matter.Formation Greenstone either pushedup or overflow. From this point the vein splits or rather the porphyry has two open zones permeable to mineral.At depth no doubt the porphyry will be reencountered as in the lower ground.

Tunnel no 12
Length xxx On North vein,caved and in accessable.

Tunnel 13 Length 100ft. Vein distorted.Face 1.0ft quartz
Gold trace Silver 8.5 oz. Copper 1.5%

Tunnel 14 Length 100ft. Run in country rock.No ore.

Tunnel 15
Length 247ft. Average width ore 1.0ft Wallsgreen stone.Samples;
50' to 200ftgold tr. silver 5.80 oz. copper2.6%
Face.....gold 2.0oz silver8.40oz. copper2.40%

Tunnel 17
Length 40ft. cut 40 ft tunnel.Old stopes.Shaft full of water.
Vein 3.8 width.Talc and balance quartz with iron and copper
pyrites. Samples; .18 gold. 28.1 oz silver and .40%copper
.12 gold silver 26.3 oz. copper .40%

Tunnel No 18 (South Vein);Open cut 100ft at crest of mountain
Vein .1 to 1.0ft.Decomposed ore.Sample; gold 3.4oz. silver 37.8oz copper trace.

Tunnel 20 ; Caved

Tunnel 21 : Open cut and tunnel 150 ft long.Stoped out and filled shaft 40ft filled with water.Dip 80*from horizontal.In the north and south vein it is to be noticed theydip to each other.

General Matter of Presumable Tonnage
As previously stated there is no place on property that three sides of ore body are exposed and hence no accurate figures can possibly be offered.The various dumps contain 3000 to 4000 tons of ore of varying value of the character of the cut amples.It is safe to assume 8000 tons in area of no 1 and 6 tunnels.It will require upraises to prove this.The chief feature is that despite the lack of mathamatica cal prove of tonnage the ore is recurrent under ground and at depths and the chutes have been encountered with out passing through any amount of barren ground.The depth reached is relatively small and depth bained is rapid as tunnels move northeastward.It is reasonable to assume a substantàl increase in tonnage which has been estimated on very conservative basis,with continuance of work.Tunnels 1 and 6 should both be driven ahead and connecting raises run as soon as possible,both for ventilation and ultimate ore delivery.

Mining Methods
Mr Farish covers this point amply,Shipping ore to be sorted compatible with mining,milling freight and treatment charges.The grade will depend on the ultimate shipping methods.The low grade will concentrate though the writer would advize exhaustive tests of mill arrangment I suspect that with the hard gouge and soft mineral,sliming will be the problem to be met.

Mining costs:
I am not covering this point because they have changed now A.C.V

Freight
(I am not quoting this either as has been changed A.C.V 1950)

Milling Cost:
Not quoting A.C.V 1950

Approximate Estimate of Yield
The writer thinks it safe to assum selected shipping ore will gross $50.00 ton.This can not be accurately foretold at present but the cut samples indicate it.
Takeing the lowest presumable tonnage at 8000 leaving the 3 to 4000 tons dump and the writer average cut samples would give value of $30.93 and on basis of above costs we have a calculated profit of $103760.00 which not proven seems safely presumable.
More ore must be developed and presumed ore proved before mill construction attempted. From 50 to100000 will be needed for this.

Dickman reprt 1906 pp 6

Samples taken by R.N.DICKMAN,DATED JULY,30,1906

No.	Point	Width	Gold	Silver	Copper
1	22'	6.0'	.12oz	4.68oz	1.52%
2	31	5.4	1.18	5.38	1.02
3	40	2.4	2.00	3,86	1.08
4	50'	1.0	1.64	10.12	3.48
5	60	1.4	2.50	7.66	.99
6	70'	1.3	6.1	6.38	.54
7	80	1.8	1.68	6.12	1.96
8	90	3.5	1.30oz	2.52oz	2.69
9	100	1.0	2.44	2.46	2.54
10	110	1.0	.62	2.88	2.88
11	120'	1.2'	.44	3.84	1.98
12	180	4.00'	1.40	3.96	1.37
13	216	1.0	.06	3.84	1.78%
14	327'	1.0	.32	2.96	1.52
15	340	1.0	.20oz	4.52	3.23
16	350	0.5	3.70	26.60	.88%
17	360	0.1	.60	11.40	2.79%
18	390	0.9	.44	9.20	4.79%
19	400'	0.8	.8	3.00	1.29%
20	405 SPECIAL		.16	18.56	.72
21	410	1.0'	.04	3.36	2.21
22	420	1.0	1.04	12.96	3.17%
23	430	0.7	.16	8.84	1.82
24	440	0.6'	.24	4.64oz	1.24
25	SPECIAL 475'		3.00 oz	11.40 oz	7.60%
26	490	3.0'	.80	10.60	1.34
27	500	1.0	.72	2.48	1.44
28	510	2.0	.02	.68	tr.
29	SPECIAL	.05	.32	13.48	3.74
30	520	3.2	.02	1.26	.34%
31	530	5.0	3.38	1.44	.34
32	540	1.8	.04	1.30	1.39
33	560	1.0	.02	.72	.51
34	530-40	3.5	.04	1.92oz	1.30%
35	560	2.0	.50	2.00	1.63
36	570	2.0	1.20oz	1.90	1.39
37	580	2.0'	tr.	3.72	3.60
38	590'	2.0'	.02oz	1.88oz	1.44%
39	600	2.0	.02	1.98	1.30
40	630	1.5	.16	1.34	.05
41	650	0.7	.16	3.30	1.63
42	740	0.2'	.02	4.88	3.96
43	Dump		.80	6.00	2.25%
44	Shaft		.30	12.22	2.99
45	Dump		.30	4.22	1.60
46	180'	1.5'	.20oz	1.80oz	1.51%
47	180 to240'	1.4	.54	7.19	3.13
48	Face	2.0	.20	1.80	.51
49		5.0	5.26	426	.28
50	Dump		.62	11.48	4.14
51	Stope	1.5	4.80	17.40	21.11%
52	Bottom	3.7	2.22	11.22	3.45
53	Special		.02oz	.68oz	.92
52A	Face	2.5	1.30	6.70	2.10
54	370	5.0'	.65	10.94	.94
55	Dump		.38oz	3.96	1.74%
56	355'	5.0'	.08	3.25oz	1.01%

Samples by R.N.Dickman,July,30,1966 copy by A.C.Van Hook

No.	Point	Width	Gold	Silver	Copper
57	340'	5.0'	.08oz	6.22oz	1.61%
58	320	2.0	.10	14.46	4.69
59 Winze		0.6	1.70	9.10	1.10
300' Select		0.4	2.16	26.40	9.02%

Not including Special Samples or dumps,the average of all cut samples of R.N.Dickman multiplied by feet width and divide total feet width:

Gold..... 1.073 oz
Silver..... 5.86 oz
Copper ..... 2.12 %

Value..$30.93 Average width 2.06ft. Samples by Dickman only Farish sampling not included.

(Signed) R.N.Dickman
July,30,1906

Fuel,Water,amd Millsite:
Ample water is present on Ni Wot mill site for all contemplated operations.Considerable wood is available in district at cost of $3.50 ~~xxxx~~ cord at mine.At later date oil should be considered, either at power site and station on the railroad.The millsite is all that might be desired.

Other property:
The extension of the Davis Lode to the N.E. brings into line some desireable ground which offers good opportunity to work the east end of ground from other tunnel sites.It has been stated that from 7000 to 10000 would buy three claims (extensions),and if this be the case purchasers of the Davis should include the ground.It is also an open question whether the DUNKIRK ground should not be taken in at this time,under long bond.This would give the purchaser a large block of mineralized area,workable through No.1 tunnel on its deep levels and the additional areas now showing excellent ore.

Conclusions:
With the above data the writer felt warranted in advising purchasers speculatively inclined and able to expend from200,000 to$250000 on purchase and equipment of property to purchase the Davis in four monthes in stead of five at$100000 rather than 175000 in deferred payments.It should be remembered that purchase and equipment are not now net in sight,but htere is possibility that (PRObability) that the price can be put net in sight,including developement fund and equipment with reasonable amount of intelligent develope ment.
The writer most strongly recommends the installation of assay office and daily data on the work if for no other reason,to check on above data and make any doubt which is now unavoidable,in to a certainity.The ground should be blocked out by upraises at fre quent intervals.

Submitted

(Signed)
R.N.Dickman

REPORT

OF THE

Dunkirk Gold and Silver Mining Company's Mines,

HASSAYAMPA MINING DISTRICT, YAVAPAI COUNTY, ARIZONA.

SITUATED EIGHT MILES SOUTH BY ONE AND ONE-HALF MILES EAST FROM PRESCOTT, FOUR MILES WEST AND ONE MILE SOUTH FROM WALKER, (MUDHOLE MINE), AND THIRTY-FIVE HUNDRED FEET SOUTHWEST FROM THE SENATOR MINE.

This group of mines comprises nine full claims and two fractions, named as follows:

The "Dunkirk," "West Dunkirk," "Kentucky Judge," "Margery," "Keno," "Retort," "Crescent," "Indiana," "Douglas," "General Otis" and "Captain Lyman."

[Mr. Archer omitted to state that these last seven new claims were donated to the company after its organization, by three of the directors.]

The principal ledge of the group passes through the center of the "Dunkirk" and the "Kentucky Judge."

This ledge is continuous throughout the length of the two claims and passes on north-east to the "Senator" ledge, also crops southwest fully two miles.

Old Work—Many tunnels and shallow shafts have been sunk upon this ledge and quantities of ore stoped out and shipped to Pueblo, Colorado.

The surface ores of this ledge are silver and copper, with some gold. The mining was done for the silver values which predominate along the surface.

The ore changes to gold in the form of sulphides as depth is attained and will be strictly a gold-bearing ore.

Formation—The eastern portion of this group is in shales, slates and quartzite, which are thrown upon edge. Next to this on the west is an extensive belt of diabase, which in this instance is very massive.

Breaking up into and through this diabase, are diorite and porphyry dykes, alongside of which occur the ore bodies. This belt extends north to the Hassayampa river and thence north-east to the divide between Walker and Maxton, where the porphyries commence. Underlying the aforesaid shales and slates to the east, is porphyry.

Six hundred feet to the north west and paralleling the "Dunkirk" ledge, are two ledges of similar extent and character. These ledges have also been worked for silver, from which large amounts were shipped.

From samples taken, I find that the oxidized zone is not more than 50 feet deep along the surface of these ledges, and that the sulphides, while carrying good values in silver and copper, are a gold bearing ore; and I would expect to find good values in gold by tunneling in under the mountuin, which will be a drift along the ledge, and also by sinking at the south-west end of the claim "Dunkirk."

Two thousand three hundred and thirty-six feet from the south-west end of the "Dunkirk," a depth of one thousand and eight feet can be gained.

At the extreme north-east end of the "Kentucky Judge," is an incline shaft sunk upon the junction of the "Dunkirk" ledge and a cross vein that shows high grade silver and gold ore. (See longitudinal and cross sections of map for elevations.)

The claim "Keno" parallels the "Dunkirk" and "Kentucky Judge" to the southeast, the ledge being distant from the former ledge three hundred and thirty-three feet. This is a very strong ledge and crops south-west for a distance of two miles and passes north-east into the contact vein known as the "Senator" vein.

The claims "Retort" and "Crescent," "Indiana" and "Douglas," and "General Otis and "Captain Lyman," all have parallel veins upon them, along the croppings of which good ore is found.

Title work only is done upon these latter claims. The title to one of the unimproved claims is not yet perfected

Many cross veins crop throughout the group, making a very complete system of ties from vein to vein, which is all indicative of greater quantities by development.

All of these ledges can be developed by tunneling which lessens the cost very materially, and is quicker developed.

This property is situated in the midst of some of Arizona's most promising mines, only fourteen miles by wagon road from Prescott. A splendid climate, the lowest elevation being six thousand seven hundred and fifty-six feet above sea level and the greatest (apex of ridge crossed by ledge) being seven thousand seven hundred and sixty-four.

The plan of the company to immediately put in a compresser to use power drills, for tunneling under the mountain I consider the proper course to pursue. This will enable them to prosecute their work very cheaply. Also, the building of a wagon road to connect the camp with the Crowned King stage road, will cheapen the transportation.

Railroad—Upon the completion of the Poland tunnel through to Walker, rail transportation will be within seven miles of the mine, making the distance to the Val Verde smelter about twenty-one miles, in case it is deemed advisable at any time to ship smelting ore.

The Blue Dick smelter is distant to the southwest two miles.

Timber.—The northeast end of this group of mines is covered with pine and fir timber, while the south slopes are heavily covered with chaparral, which will retain the water in time of rains.

Management.—The management of this property is all that can be desired. They are all gentlemen of experience and accustomed to handling large affairs, and under the judicious management of the experienced Mr. Noxon, there is no reason why this property will not develop into a good paying gold property.

It is in a splendid formation, capable of replacement, and, as stated, is surrounded by mines of well known productiveness.

I take pleasure in recommending it to the public for investment.

Respectfully,

T. C. ARCHER, M. E.

Prescott, Arizona, July 12, 1902.

Submitted to DUNKIRK GOLD AND SILVER MINING COMPANY, Prescott, Arizona.

REPORT

OF THE

Dunkirk Gold and Silver Mining Company's Mines,

HASSAYAMPA MINING DISTRICT, YAVAPAI COUNTY, ARIZONA.

SITUATED EIGHT MILES SOUTH BY ONE AND ONE-HALF MILES EAST FROM PRESCOTT, FOUR MILES WEST AND ONE MILE SOUTH FROM WALKER, (MUDHOLE MINE), AND THIRTY-FIVE HUNDRED FEET SOUTHWEST FROM THE SENATOR MINE.

This group of mines comprises nine full claims and two fractions, named as follows:

The "Dunkirk," "West Dunkirk," "Kentucky Judge," "Margery," "Keno," "Retort," "Crescent," "Indiana," "Douglas," "General Otis" and "Captain Lyman."

[Mr. Archer omitted to state that these last seven new claims were donated to the company after its organization, by three of the directors.]

The principal ledge of the group passes through the center of the "Dunkirk" and the "Kentucky Judge."

This ledge is continuous throughout the length of the two claims and passes on north-east to the "Senator" ledge, also crops southwest fully two miles.

Old Work—Many tunnels and shallow shafts have been sunk upon this ledge and quantities of ore stoped out and shipped to Pueblo, Colorado.

The surface ores of this ledge are silver and copper, with some gold. The mining was done for the silver values which predominate along the surface.

The ore changes to gold in the form of sulphides as depth is attained and will be strictly a gold-bearing ore.

Formation—The eastern portion of this group is in shales, slates and quartzite, which are thrown upon edge. Next to this on the west is an extensive belt of diabase, which in this instance is very massive.

Breaking up into and through this diabase, are diorite and porphyry dykes, alongside of which occur the ore bodies. This belt extends north to the Hassayampa river and thence north-east to the divide between Walker and Maxton, where the porphyries commence. Underlying the aforesaid shales and slates to the east, is porphyry.

Six hundred feet to the north west and paralleling the "Dunkirk" ledge, are two ledges of similar extent and character. These ledges have also been worked for silver, from which large amounts were shipped.

From samples taken, I find that the oxidized zone is not more than 50 feet deep along the surface of these ledges, and that the sulphides, while carrying good values in silver and copper, are a gold bearing ore; and I would expect to find good values in gold by tunneling in under the mountuin, which will be a drift along the ledge, and also by sinking at the south-west end of the claim "Dunkirk."

Two thousand three hundred and thirty-six feet from the south-west end of the "Dunkirk," a depth of one thousand and eight feet can be gained.

At the extreme north-east end of the "Kentucky Judge," is an incline shaft sunk upon the junction of the "Dunkirk" ledge and a cross vein that shows high grade silver and gold ore. (See longitudinal and cross sections of map for elevations.)

The claim "Keno" parallels the "Dunkirk" and "Kentucky Judge" to the southeast, the ledge being distant from the former ledge three hundred and thirty-three feet. This is a very strong ledge and crops south-west for a distance of two miles and passes north-east into the contact vein known as the "Senator" vein.

The claims "Retort" and "Crescent," "Indiana" and "Douglas," and "General Otis and "Captain Lyman," all have parallel veins upon them, along the croppings of which good ore is found.

Title work only is done upon these latter claims. The title to one of the unimproved claims is not yet perfected

Many cross veins crop throughout the group, making a very complete system of ties from vein to vein, which is all indicative of greater quantities by development.

All of these ledges can be developed by tunneling which lessens the cost very materially, and is quicker developed.

This property is situated in the midst of some of Arizona's most promising mines, only fourteen miles by wagon road from Prescott. A splendid climate, the lowest elevation being six thousand seven hundred and fifty-six feet above sea level and the greatest (apex of ridge crossed by ledge) being seven thousand seven hundred and sixty-four.

The plan of the company to immediately put in a compresser to use power drills, for tunneling under the mountain I consider the proper course to pursue. This will enable them to prosecute their work very cheaply. Also, the building of a wagon road to connect the camp with the Crowned King stage road, will cheapen the transportation.

Railroad—Upon the completion of the Poland tunnel through to Walker, rail transportation will be within seven miles of the mine, making the distance to the Val Verde smelter about twenty-one miles, in case it is deemed advisable at any time to ship smelting ore.

The Blue Dick smelter is distant to the southwest two miles.

Timber.—The northeast end of this group of mines is covered with pine and fir timber, while the south slopes are heavily covered with chaparral, which will retain the water in time of rains.

Management.—The management of this property is all that can be desired. They are all gentlemen of experience and accustomed to handling large affairs, and under the judicious management of the experienced Mr. Noxon, there is no reason why this property will not develop into a good paying gold property.

It is in a splendid formation, capable of replacement, and, as stated, is surrounded by mines of well known productiveness.

I take pleasure in recommending it to the public for investment.

Respectfully,

T. C. ARCHER, M. E.

Prescott, Arizona, July 12, 1902.

Submitted to DUNKIRK GOLD AND SILVER MINING COMPANY, Prescott, Arizona.

Seal of the General Land Office of the United States

By F. M. McKean,
Secretary.
C. H. Brush,
Recorder of the General Land Office.

Recorded Vol. 386, pages 206 to 210, inclusive.

Recorded at Request of T. G. Norris July 11" A. D. 1906, At 9:30 o'clock A. M. In Book 77 of Deeds, Pages 20-26, Records of Yavapai County, Arizona.

(Seal) Roland Mosher,
County Recorder.

By D. N. Cargile, Deputy.

C. N. Nartson et al.
To Hm. Gilbert

Forfeiture Notice.

Campe Verde, Ariz.
Jan 3, 1906.

To Hm. Gilbert, his heirs and assigns. You are hereby notified that the undersigned has expended during the year 1905 the sum of ($100) one hundred dollars in labor upon the Copper Chief mining claim, adjoining the Morning Star claim, situated in the Jerome Jac mining district, county of Yavapai, and Territory of Arizona; the notice of location thereof is of record in the office of the County Recorder in Book 53 of mines, page 344, records of Yavapai County, Arizona, in order to hold said claim under the provisions of sections 2324 of the Revised Statutes of the United States, and the amendments thereto concerning annual labor on mining claims, it being the amount required to hold said claims for the period ending December 31, 1905. And if within (90) ninety days from the personal service of this notice, or within (90) ninety days after the publication hereof you fail or refuse to contribute your proportion of said expenditures as co-owner, your interest in said mining claim will become the property

together with all the rights, privileges, immunities, and appurtenances of whatsoever nature thereunto belonging unto the said grantees above named and to their heirs and assigns forever; subject nevertheless to the above mentioned, and to the following conditions and stipulations:

First: That the premises hereby granted, with the exception of the surface, may be entered by the proprietor of any other vein, lode, or ledge, the top or apex of which lies outside of the boundary of said granted premises, should the same in its dip be found to penetrate, intersect, or extend into said premises, for the purpose of extracting and removing the ore from such other vein, lode, or ledge.

Second: That the premises hereby granted shall be held subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local laws, customs, and decisions of the courts. And there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States.

Third: That in the absence of necessary legislation by Congress, the Legislature of Arizona may provide rules for working the mining claim or premises hereby granted, involving easements, drainage, and other necessary means to its complete development.

In Testimony Whereof I, Theodore Roosevelt, President of the United States of America, have caused these letters to be made Patent, and the Seal of the General Land Office to be hereunto affixed.

Given under my hand, at the City of Washington, the twentieth day of June, in the year of our Lord one thousand nine hundred and four, and of the Independence of the United States the one hundred and twenty-eighth.

By the President: T. Roosevelt

forty-five minutes east one thousand five hundred feet to corner No. 4.

Thence fourth course, north thirty-five degrees and thirty minutes west three hundred feet to discovery shaft; four hundred feet to corner No. 1, the place of beginning; the survey of the lode claim as above described extending one thousand five hundred feet in length along said Ni Hot Millsite vein or lode.

Said lot No. 1691 containing eighty-one acres and five hundred and ninety-six thousandths of an acre of land, more or less.

Now Know Ye, That there is therefore hereby granted by the United States unto the said John O'Reilly, W. J. Vicry and H. A. Rowe and to their heirs and assigns, the said mining premises hereinbefore described, and not expressly excepted from these presents, and all that portion of the said Azurite, New Era, Davis Number One North, New Era No. 2 and Ni Hot Millsite, veins, lodes, or ledges, and of all other veins, lodes, and ledges, throughout their entire depth, the tops or apexes of which lie inside of the surface boundary lines of said granted premises in said Lot No. 1691 extended downward vertically, although such veins, lodes, or ledges in their downward course may so far depart from a perpendicular as to extend outside the vertical side lines of said premises: Provided, That the right of possession to such outside parts of said veins, lodes, or ledges, shall be confined to such portions thereof as lie between vertical planes drawn downward through the end lines of said Lot No. 1691, so continued in their own direction that such planes will intersect such exterior parts of said veins, lodes, or ledges: And provided further, That nothing herein contained shall authorize the grantees herein to enter upon the surface of a claim owned or possessed by another.

To Have and To Hold said mining premises,

in length along said Davis Number One North vein or lode.

Beginning for the description of the New Era No. 2 lode claim at corner No. 1, from which said U.S. location monument No. 1691 bears south fifteen degrees and thirty-nine minutes west two thousand and forty and five tenths feet distant.

Thence, first course, south forty-nine degrees and thirty-five minutes west one thousand one hundred and sixty-nine feet to corner No. 2, identical with corner No. 1 of said Davis Number One North lode claim.

Thence, second course, north thirty-nine degrees and fifteen minutes west three hundred feet to a point from which discovery cut bears north forty nine degrees, and thirty-five minutes east seventy-five feet distant; six hundred feet to corner No. 3.

Thence, third course, north forty-nine degrees and thirty-five minutes east one thousand one hundred and sixty-nine feet to corner No. 4.

Thence, fourth course, south thirty-nine degrees and fifteen minutes east six hundred feet to corner No. 1, the place of beginning; the survey of the lode claim as above described extending one thousand one hundred and sixty-nine feet in length along said New Era No. 2 vein or lode.

Beginning for the description of the Nittot Millsite lode claim at corner No. 1 from which said U.S. location monument No. 1691 bears south eighty degrees and sixteen minutes east one thousand seven hundred and sixty-one and seven tenths feet distant.

Thence, first course, south fifty degrees and forty five minutes west six hundred and forty-five feet to corner No. 2 of said New Era and corner No. 1 of said Aguacita lode claims; one thousand five hundred feet to corner No. 2.

Thence, second course, south thirty-five degrees and thirty minutes east four hundred feet to corner No. 3.

Thence, third course, north fifty degrees, and

degrees and fifteen minutes west three hundred feet to a point from which discovery tunnel bears north fifty-seven degrees and twenty one minutes east twenty-five feet distant;

Six hundred feet to Corner No. 3.

Thence, third course, north fifty-seven degrees and twenty-one minutes east one thousand four hundred and nine and three tenths feet to Corner No. 4.

Thence, fourth course, south thirty-nine degrees and fifteen minutes east six hundred feet to corner No. 1, the place of beginning; the survey of the lode claim as above described extending one thousand four hundred and nine and three tenths feet in length along said New Era vein or lode.

Beginning for the discription of the Davis Number One North lode claim at corner No. 1, from which said U.S. location monument No. 1691 bears south fifteen degrees and fifty four minutes east one thousand two hundred and forty-two and eight tenths feet distant, and discovery tunnel bears south eighty-four degrees and thirty-nine minutes west five hundred and twenty-one feet distant.

Thence, first course, south fifty-one degrees, and forty-five minutes west eight hundred and ninety six and eight tenths feet to corner No-2 identical with corner No. 1, of said New Era lode claim.

Thence, second course, north thirty nine degrees and fifteen minutes west six hundred feet to corner No. 3.

Thence, third course, north fifty-one degrees and forty-five minutes east eight hundred and ninety-six and eight tenths feet to Corner No. 4.

Thence, fourth course, south thirty-nine degrees and fifteen minutes east six hundred feet to Corner No. 1, the place of beginning; the survey of the lode claim as above described extending eight hundred and ninety-six and eight tenths feet

for that certain mining claim or premises known as the Azurite, New Era, Davis Number One North, New Era No. 2 and Hot Millsite lode mining claims, designated by the Surveyor-General as Lot No. 1691, embracing a portion of the unsurveyed public domain in the Nassayampa Mining District, in the County of Yavapai and Territory of Arizona, in the District of Lands subject to sale at Prescott and bounded, described, and platted as follows, with magnetic variation fourteen degrees east.

Beginning for the description of the Azurite lode claim, at Corner No. 1, from which U. S. Location monument No. 1691 bears north eighty-seven degrees and eleven minutes east two thousand two hundred and forty-three and one tenth feet distant.

Thence, first course, south fifty degrees and forty-five minutes west one thousand five hundred feet to Corner No. 2.

Thence, second course, North thirty-nine degrees and fifteen minutes west six hundred feet to Corner No. 3.

Thence, third course, north fifty degrees and forty five minutes east one thousand five hundred feet to Corner No. 4.

Thence, fourth course, South thirty-nine degrees and fifteen minutes east three hundred feet to discovery Cut No. 1; Six hundred feet to Corner No. 1, the place of beginning: the survey of the lode claim as above described extending one thousand five hundred feet in length along said Azurite vein or lode.

Beginning for the description of the New Era lode claim, at Corner No. 1, from which said U. S. location monument No. 1691 bears south fifty-eight degrees and ten minutes east one thousand two hundred and thirty-two and five tenths feet distant.

Thence, first course, south fifty-seven degrees and twenty-one minutes west one thousand four hundred and nine and three tenths feet to Corner No. 2, identical with Corner No. 1 of said Azurite lode claim. Thence, second course, North thirty-nine

Theodore Roosevelt, President of the United States of America, have caused these letters to be made Patent, and the Seal of the General Land Office to be hereunto affixed.

Given under my hand, at the City of Washington, the Twentieth day of June, in the year of our Lord one thousand nine hundred and four, and of the Independence of the United States the one hundred and twenty-eighth

By the President: T. Roosevelt.

By T. M. McKean
Secretary.

Seal of the United States General Land Office.

C. N. Brush.
Recorder of the General Land Office

Recorded Vol. 387, pages 274 to 276, inclusive.

Recorded at Request of T. G. Norris, July 11 A.D. 1906 At 9:30 o'clock A.M. In Book 77 of Deeds, Pages 17-20, Records of Yavapai County, Arizona.

(Seal.) Roland Mosher,
County Recorder.

By D. H. Cargill, Deputy.

4-467.

General Land Office No. 38470.

Mineral Certificate No. 561.

The United States of America,

To All to whom these Presents shall Come, Greeting:

Whereas, In pursuance of the provisions of the Revised Statutes of the United States, Chapter Six, Title Thirty-two, and legislation supplemental thereto, there have been deposited in the General Land Office of the United States the Plat and Field Notes of Survey and the Certificate, No. 561, of the Register of the Land Office at Prescott in the Territory of Arizona, accompanied by other evidence whereby it appears that John P. Reilly, M. J. Nicley and W. A. Rowe did, on the Fourth day of August, A.D. 1903, duly enter and pay