



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

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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 11/21/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ARMISTICE GROUP

ALTERNATE NAMES:

SHORT

KELLY

COCHISE COUNTY MILS NUMBER: 112

LOCATION: TOWNSHIP 23 S RANGE 20 E SECTION 25 QUARTER NW

LATITUDE: N 31DEG 24MIN 27SEC LONGITUDE: W 110DEG 16MIN 53SEC

TOPO MAP NAME: MILLER PEAK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD

SILVER

COPPER

GOLD LODE

BIBLIOGRAPHY:

ADMMR ARMISTICE GROUP FILE

KEITH, S.B., 1973, AZBM BULL. 187, P. 64

WILSON, E.D., 1951, HUACHUCA MOUNTAINS IN

ARIZONA LEAD & ZINC DPSTS, AZ BUR MINES BULL

158, P 40

ARMISTICE GROUP

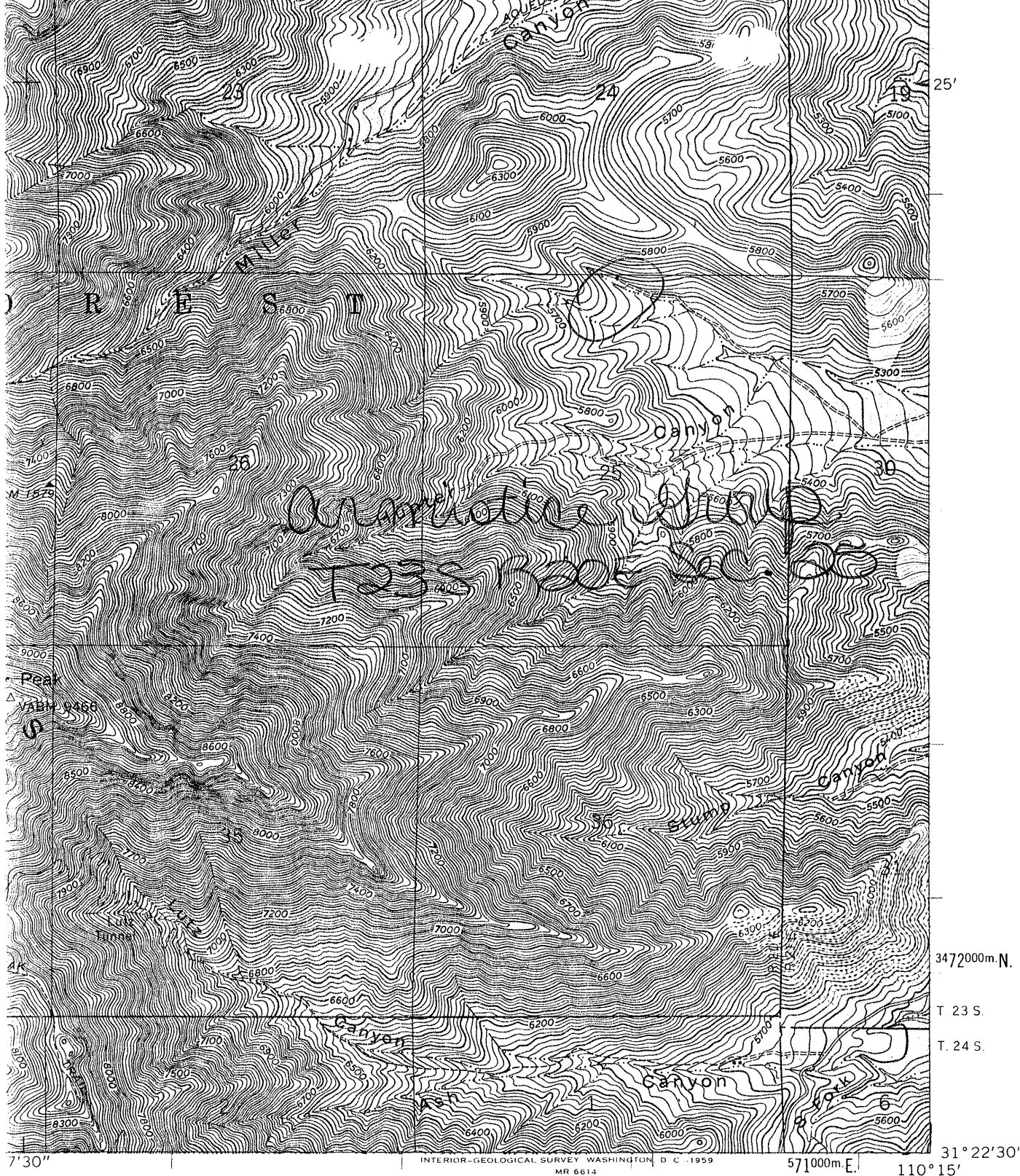
REFERENCES

COCHISE COUNTY
HARTFORD DISTRICT
T23S R20E Sec. 25 NW

Cochise County MILS Index #112

ABM Bull. 187, p. 64

Miller Peak, AZ 7.5' Topo (included in file)



ROAD CLASSIFICATION

Medium-duty

Light-duty

Unimproved dirt

State Route

MILLER PEAK, ARIZ.

NE/4 SUNNYSIDE-15 QUADRANGLE

N3122.5—W11015/7.5

1958

31 January 1941

Mr. Lon Kelly,
Hereford,
Arizona.

My dear Mr. Kelly:

I am returning herewith copy of engineering Report - Lead-Bullion Mine in the Hartford Mining District, Huachuca Mountains, Cochise County, Arizona, which was sent to us to be filed with the ARMISTICE GROUP.

This report has been copied and copy attached to mine owners report in our files.

At any time in the future that you have additional information on this property, I shall be glad to have you send it to me - the more detailed information I have on file the more information I am able to present to prospective buyers.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encls.

REGISTERED MAIL
RETURN RECEIPT REQUESTED.

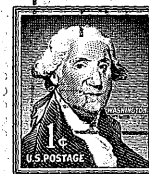


REASON CHECKED
 Unclaimed Refused.....
 Unknown
 Insufficient address
 Moved, Left no address
 No such office in state
 Do not repail in this envelope

Mr. Bert Kelly

Lowell

Arizona



REASON CHECKED
 Unclaimed Refused.....
 Unknown
 Insufficient address
 Moved, Left no address
 No such office in state
 Do not repail in this envelope

Mr. Thomas H. Short

Rte. 1, Box 521

Tucson, Arizona

Wrong Address

283

Everett R/s

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

August 20, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Armistice Group (Cochise County)	copper
(Property)	(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

September 25, 1958

To the Owner or Operator of the Arizona Mining Property named below:

ARMISTICE GROUP	(Cochise County)	Lead-Silver
(Property)		(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

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Director.

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MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

August 20, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Armistice Group (Cochise County)	copper
(Property)	(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

Tucson, Arizona,
October, 29, 1942.

Chas. F. Willis,
413 Home Builders Bldg.,
Phoenix, Arizona.

Dear Sir,

I was at the mine when your letter reached Tucson, inclosing the blanks for me to fill out, and since I did not return until today, that explains this delay.

I will appreciate having this case presented at Washington if you think it is worth while.

I met Mr. Ballam, the field engineer, on returning here, but he failed to find our mine on his recent field trip south.

We have some returns on the last car shipped, thru Mr Hawley, our representative. Am inclosing one of these slips which will show the ore to continue of consistent grade.

We do not have in view at this time the purchase of any new equipment. Our requirements are almost at a minimum for this type of mine, so far we have managed for used lumber as head boards for stulls, and since the claims are located in a heavy timbered belt, we are able to take

most of our timber right off the mine.

What we need to buy is the carbide for our lamps, coal for blacksmithing, and a small amount of powder, fuse, etc.

The ore occurs in a highly oxidized state the surrounding ground is highly de-composed, and on much of the work, no powder is needed, or can be used, the real problem being to hold the ~~the~~ shell on the hanging wall intact and make the ground safe for mining with plenty of stulls.

If we are able to increase our capacity it might help us if we had a hoisting engine with more power, we are also concerned for necessary repairs in the case of a breakdown.

So far we have been able to get our needs at the hardware store but don't like the worry of signing these slips, since really we don't understand the regulations well enough to know whether we are within them or not, of course if I had more help I could increase production, but being neighbor to, and within a triangle of Government building projects, to get this help may not be possible. However, as things are we get economical production for labor and material expended, and since the Government will pay us a \$400.00 bonus on last month's production, we feel it to be in the interest of the war

effort to be granted priorities covering our few needs, so that we may continue to produce and ship this high grade ore.

It should be noted that the production records as written in the application blanks do not cover a full production period for either year, for beginning July 30, 1941 and continuing for a period of 10 months I had no lease on the mine and did not operate it. My present lease is drawn for in excess of a two year period.

Thanking you for your interest in the matter

I am,

Yours Truly

Thos. H. Short.

PD-542 (6/9/42)

MINING BRANCH
SOCIAL SECURITY BUILDING
WASHINGTON, D. C.

RETURN TO
Mining Branch
War Production Board
Washington, D. C.

METAL MINES

APPLICATION FOR SERIAL NUMBER UNDER PREFERENCE RATING ORDER NO. P-56

Name of Mine Armistice
Location Hartford Mining District, Cochise Co. Newford Ariz.
Name of Company _____
Address Tucson, Arizona Rt 1 Box 521.

INSTRUCTIONS
To be filled out for each
metal mining unit for which
assistance under preference
rating order P-56 is de-
sired.

1. PRODUCTION OF ORE

Current Daily Tonnage	Annual Tonnage	1941	1942 (Estimated)
Mine	Mine	315	120
Mill	Mill		

2. AVERAGE ANALYSIS ORE AND CONCENTRATES DURING LAST 12 MONTHS

Content	Cu%	Pb%	Zn%	Gold	Silver	SiO ₂ %	Fe%
Ore		27%		.04	9.03		
*Con-	Pb Concs.						
cen-	Zn Concs.						
trates	Cu Concs.						
	Other Concs.						

* If more than one concentrate made, show analysis of each on reverse side of sheet.

3. Net dollar value of materials shipped in 1941. \$ 5740.504. Number years in production 2 - not continuous5. How is the mine developed: Lin.Ft. of shafts 260 Lin.Ft. of Drifts 150
Lin.Ft. of tunnels _____6. Ore reserves: Positive: 300 tons
Probable: 10,000 tons

7. In 1941 what products were shipped and to whom?

- A. (Ore) Crude lead ore to A.S. & P. El Paso Tex, Hawley & Hawley Douglas Ariz.
B. (Concs.) _____
C. (Metal) _____
D. (Other) _____

8. Number of employees at present 19. Number of shifts operated at present 1 per day

The undersigned certifies that the above information
is complete and correct to the best of his knowledge
and belief.

Section 35 (A) of the United
States Criminal Code, 18
U.S.C.A. 80, makes it a
criminal offense to make a
false statement or representa-
tion to any department or
agency of the United States as
to any matter within its juris-
diction.

By: Thos. H. Short
(Name of Company)
Thos. H. Short
(Signature of Authorized Official)
Oct 29 1942 (Date)
operator (Title)

MINING BRANCH
SOCIAL SECURITY BUILDING
WASHINGTON, D. C.

RETURN TO
Mining Branch
War Production Board
Washington, D. C.

METAL MINES

APPLICATION FOR SERIAL NUMBER UNDER PREFERENCE RATING ORDER NO. P-56

Name of Mine ArmisticeLocation Hartford Mining Dist Cochise Co. ^{Hanford} Ariz.

Name of Company _____

Address Tucson, Arizona Rt 1 Bx 521

INSTRUCTIONS
To be filled out for each
metal mining unit for which
assistance under preference
rating order P-56 is de-
sired.

1. PRODUCTION OF ORE

Current Daily Tonnage	Annual Tonnage	1941	1942 (Estimated)
Mine	Mine	315	120
Mill	Mill		

2. AVERAGE ANALYSIS ORE AND CONCENTRATES DURING LAST 12 MONTHS

Content	Cu/%	Pb/%	Zn/%	gold oz	Silver oz	SiO ₂ %	Fe/%
Ore		27%		.04	9 oz		
*Con-	Pb Concs.						
cen-	Zn Concs.						
trates	Cu Concs.						
	Other Concs.						

* If more than one concentrate made, show analysis of each on reverse side of sheet.

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Lin.Ft. of tunnels _____6. Ore reserves: Positive: 300 tons
Probable: 10,000 tons

7. In 1941 what products were shipped and to whom?

- A. (Ore) Crude lead ore, to A. Sant R. El Paso, Hawley & Hawley Douglas Ariz.
B. (Concs.) _____
C. (Metal) _____
D. (Other) _____

8. Number of employees at present 19. Number of shifts operated at present 1 per day

Section 35 (A) of the United States Criminal Code, 18 U.S.C.A. 80, makes it a criminal offense to make a false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

The undersigned certifies that the above information is complete and correct to the best of his knowledge and belief.

Thos. H. Short
(Name of Company)
By: Thos. H. Short
(Signature of Authorized Official)
Oct 29 1942 operator
(Date) (Title)

H.

November 2, 1942

Mr. Thos. H. Short,
Route 1, Box 521,
Tucson, Arizona.

Dear Mr. Short:

I have your letter of October 27 together with a copy of your application for a serial number. I am very much afraid that there would be no opportunity whatsoever for getting a serial number for a mine employing only one man, only working one shift a day, and only producing one ton a day.

While there is no arbitrary rule as to the number of men employed to qualify for a serial number, it is not customary to give one for less than 7 or 8 men, and sometimes 10. As to whether or not a serial number should be granted depends upon the quantity of strategic metal produced.

Of course, you automatically operate under P-100 which entitles you to put in PD 1-a requests for any special equipment that you need that you cannot purchase under the blanket P-100 order.

I appreciate, of course, that until you get a serial number you are unable to buy the tools and equipment to employ more men. It goes round and round - you cannot employ the men until you get the tools and you cannot hire the men until you get the tools and equipment. If, however, it is your intention to employ more men and need more tools and equipment it will be possible to get a serial number if you express your intention and plans.

In the meantime I would suggest that you fulfill your requirements by the use of PD 1-a forms. You can get the blank forms from Mr. Walsh at the War Production Board office in Tucson.

If you are making plans for increasing your production and the number of men employed, I would suggest that you confer with George Ballam, field engineer of the Department of Mineral Resources, Box 495, Tucson, relative to the application for a serial number based upon your proposed activities.

RETURN RECEIPT

Received from the Postmaster the Registered or Insured Article, the original number of which appears on the face of this Card.

Lon Kelly

(Signature or name of addressee)

Beit Kelly

(Signature of addressee's agent)

MAR 21 1934

Date of delivery, _____, 193

Form 3811

U. S. GOVERNMENT PRINTING OFFICE

31 January 1941

Mr. Lon Kelly,
Hereford,
Arizona.

My dear Mr. Kelly:

I am returning herewith copy of engineering Report - Lead-Bullion Mine in the Hartford Mining District, Huachuca Mountains, Cochise County, Arizona, which was sent to us to be filed with the ARMISTICE GROUP.

This report has been copied and copy attached to mine owners report in our files.

At any time in the future that you have additional information on this property, I shall be glad to have you send it to me - the more detailed information I have on file the more information I am able to present to prospective buyers.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encs.

REGISTERED MAIL
RETURN RECEIPT REQUESTED.

Samuel Ariz
July 14 - 40

Department of Mineral Resources
State of Arizona
Capital Bldg Phoenix Ariz

This to Acknowledge your favor of
July 5th

to which I can only state that
there has been only Assessment work
performed on my Armistice Group of
Claims except a grass root tunnel
has been run under the main surface
Ore chute and from which I am
taking out Ore of a Commercial grade
I have annexed one more Claim which
makes a Group of 6 Claims now
I have about 25 tons of Ore on the Dump
and I contemplate giving a Lease on
the grass root tunnel in the near future
Said grass root tunnel is an #3 Claim

Respectfully yours
Bert Kelly
Samuel Ariz

NAME OF MINE: ARMISTICE		COUNTY: COCHISE	
		DISTRICT:	
		METALS: CU	
OPERATOR AND ADDRESS:		MINE STATUS	
DATE:		DATE:	
5/1/44	✓ Thomas H. Short, Rt. 1, Box 521, Tucson	5/1/44	Shipping
		6/46	Idle

Superior, Arizona
July 26, 1949

Chas. H. Dunning
Ariz. Dept. of Mineral Resources
Phoenix, Arizona

Dear Sir:

We are sending you a brief description and map of the Armistice claims located in the Huachuca Mountains. We stopped operation there in April and would like to lease or sell this property. We would appreciate any help you could give us. We will be glad to answer any questions you may have about the mine.

For the next sixty days our address will be P.O.Box 698
Superior, Arizona.

Our more permanent address is 156 E. Roger Road, Tucson, Ariz.

Sincerely Yours

A. B. Short
V. T. Short

A.B. Short
V.T. Short

ARMISTICE MINE

7-26-1949

The Armistice Mine consists of a group of eight unpatented mining claims located in Hunter Canyon in the Huachuca Mountains, Cochise County, Arizona. The mine is Fourteen miles from Hereford, Arizona, the nearest shipping point. Hereford is reached over 11 miles of graded road, 2 miles of paved road, and one mile of unimproved dirt road.

The mine is developed by two inclined shafts each 180 feet deep and numerous cuts and tunnels. We have shipping returns on 802 dry tons of ore. This ore averaged 24.75% Lead, 7.83 oz. Silver per ton and 0.041 oz. Gold per ton.

Ore shoots are found in the sedimentary rocks along sills intruded about 40 feet from the large fault. Ore is also found around the edges of the large porphyry intrusion. Almost all ore mined came from the oxidized zone. The chief lead minerals were Cerussite and Plumbojarosite. There is less than 1.0% zinc in the oxidized ore. Where the sulfide ore was cut it carries more zinc. One lens of ore mined from the bottom of the east shaft carried 10% lead and 20% zinc. The sulfide ore from the 170 ft. level of the main shaft carries zinc values also. These are the only two places where the sulfide ore has been cut. We did no development work in the sulfide ore because we were mining with hand steel and progress was too slow.

AMERICAN SMELTING AND REFINING COMPANY
EL PASO SMELTING WORKS

ORE SETTLEMENT

EL PASO, TEXAS. 12-16-48
SMELTER LOT 2720
SHIPPER'S LOT 3
CLASSIFICATION Ore
NAME OF MINE AviationBOUGHT OF A.B. Short & V.F. Short
ADDRESS Maricopa, Arizona
SHIPPING POINT

CAR		WEIGHT IN AVOIRDUPOIS POUNDS						N. Y. METAL QUOTATIONS	
NO.	INITIAL	GROSS	SACKS		NET WEIGHT	MOISTURE %	DRY WEIGHT	Settlement Date <u>11-29-48</u>	
			NO.	WEIGHT				B/L Date <u>11-21-48</u>	
93516	SP				114300	8.6	104470	Silver	90.0 Cts. per oz
This Car was below Average Grade								F'gn Silver	70.0
								Lead	\$ 21.50 Per 100 lbs
								E. & M. J.	
								Copper	Cts. per lb
								PREMIUM METAL CONTENT	
								Lead	lbs
								Copper	lbs

PAYMENTS FOR METALS								VALUE	
ELEMENTS	ASSAY PER TON 2000 LBS.		DEDUCTED	NET ASSAY	EQUIVALENT IN LBS.	PERCENT PAID FOR	NET PAID FOR	RATE	AMOUNT PER TON
Gold	.03	oz.					.03	oz. 32.3185	.97
Silver	4.65	oz.	1.0	3.65			3.65	oz. .885	3.23
Lead	20.0	%	1.5	18.5	370	90	333.0	lbs. .1963	65.37
Copper	.27	%		No Pay				lbs.	
TOTAL PAYMENTS FOR METALS									69.57

DEDUCTIONS						DEBITS	CREDITS
BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding \$ _____ per ton						9.50	
_____ % of \$ _____ excess over \$ _____ per ton							
Handling Sacks							
Copper Deficiency <u>30.0 - 12.4 = 17.6 @ .10</u>						1.76	
Bullion Freight Tax <u>333 @ .0029</u>						.10	
ANALYSIS	DEDUCTION	NET			RATE		
Insoluble	35.4	%		%	@	Cts.	
Silica	27.4	%		%	@	Cts.	
Iron	14.4	%		%	@	Cts.	
Mn		%		%	@	Cts.	
Lime	.7	%		%	@	Cts.	
Zinc	2.3	%		%	@	Cts.	
Sulphur	4.7	%		%	@	Cts.	
Alumina	5.6	%		%	@	Cts.	
As	.57	%		%	@	Cts.	
Sb	.27	%		%	@	Cts.	
Bi		%		%	@	Cts.	
TOTAL DEDUCTIONS						10.75	
NET VALUE PER TON							58.82

				DEBITS	CREDITS
Total Value on	52.235	Dry Tons @	58.82	Per Ton	
Less Freight on	57.13	Wet Tons @	5.46	Per Ton	312.00 + 9.36 Tax
		Hauling Charge			321.40
		Switching	3.72 + .11 Tax		3.83
		Umpires			7.50
Amount withheld pending receipt of Silver Affidavit					38.13
Royalty					
BALANCE DUE SHIPPER					
Valuation for freight per wet ton \$	57.13				
				2701.60	
				3072.46	

Made by _____ Checked _____ Correct _____ Approved _____

W. E. HAWLEY
ASSAYERS
CHEMISTS
EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 151

F. L. HAWLEY
SHIPPER'S REPRESENTATIVES
BULLION BUYERS
ORE BUYERS
HAYDEN, ARIZONA
BOX 743

We hereby Certify the Shipment from T. H. Short

weighed as follows:

DATE RECEIVED	CAR		WEIGHTS				SHIPPER LOT	SMELTER LOT	MOISTURE
	INITIALS	NUMBER	GROSS	TARE	NET WET	NET DRY			
10-16	SP	46302	121500	45640	75860	71536		2643	5.7
			<i>Shipment being Unpacked for lead</i>						

ANALYSIS

	SMELTER LOT	OUNCES				PER CENT							
		GOLD	SILVER	LEAD	COPPER	INSOLUBLE	IRON	LIME	Manganese	SULPHUR	ZINC		
Hawley & Hawley	2643	.045	7.6	28.4	.10	25.0				3.3			
				Umpire									
SMELTER	2643	.035	7.4	27.5	.06	25.0				--			

Date 10-24-42

Hawley & Hawley

By F. L. Hawley

EL PASO SMELTING WORKS

ORE SETTLEMENT

EL PASO, TEXAS, 10-27-42
 SMELTER LOT 2643
 SHIPPER'S LOT _____
 CLASSIFICATION Ore
 NAME OF MINE Armistice

BOUGHT OF T. H. Short
 ADDRESS Hereford, Arizona
 SHIPPING POINT

CAR		WEIGHT IN AVOIRDUPOIS POUNDS						N. Y. METAL QUOTATIONS	
NO.	INITIAL	GROSS	SACKS		NET WEIGHT	MOISTURE %	DRY WEIGHT	Settlement Date <u>10-16-42</u>	
			NO.	WEIGHT				B/L Date <u>10-13-42</u>	
46302	SP				75860	5.7	71536	Silver	.70625 Cts. per oz.
								F'gn Silver	.4475
								Lead	\$ 6.50 Per 100 lbs.
								E. & M. J.	
								Copper	.11650 Cts. per lb.
		PROVISIONAL						PAYABLE METAL CONTENT	
								Lead	_____ lbs.
								Copper	_____ lbs.

PAYMENTS FOR METALS								VALUE	
ELEMENTS	ASSAY PER TON 2000 LBS.		DEDUCTED	NET ASSAY	EQUIVALENT IN LBS.	PERCENT PAID FOR	NET PAID FOR	RATE	AMOUNT PER TON
Gold	.035	oz.					.035	oz. 32.31825	1.13
Silver	7.4	oz.	1.0	6.4			6.4	oz. .69125	4.42
Lead	27.5	%	1.5	26.0	520.0	90	468.0	lbs. .049	22.93
Copper	.06	%						lbs.	
TOTAL PAYMENTS FOR METALS									28.48

DEDUCTIONS						DEBITS	CREDITS
BASE CHARGE: F. O. B. El Paso, for Metal Payments, not exceeding <u>15.00</u> per ton						3.50	
<u>10</u> % of \$ <u>13.48</u> excess over \$ <u>15.00</u> per ton						1.35	
Handling Sacks							
Copper Deficiency							
ANALYSIS						RATE	
Insoluble	25.0	%			%	@	Cts.
Silica	19.0	%			%	@	Cts.
Iron	15.5	%			%	@	Cts.
Mn		%			%	@	Cts.
Lime	.4	%			%	@	Cts.
Zinc	1.0	%			%	@	Cts.
Sulphur	3.4	%	2.0	1.4	%	@ .25	Cts. .35
Alumina	3.4	%			%	@	Cts.
As	.72	%			%	@	Cts.
Sb	.12	%			%	@	Cts.
Bi		%			%	@	Cts.
TOTAL DEDUCTIONS						5.20	5.20
NET VALUE PER TON							23.28

				DEBITS	CREDITS
Total Value on	35.768	Dry Tons @	23.28	Per Ton	832.68
Less Freight on	37.930	Wet Tons @	3.29	Per Ton	
Less Demurrage		Hauling Charge			124.79
Less Representation		Switching			2.63
Less Duty and Brokerage		Umpires			59.02
Amount withheld pending receipt of Silver Affidavit					
Royalty					
BALANCE DUE SHIPPER				646.24	
Valuation for freight per wet ton \$	21.95			832.68	832.68

Made by _____ Checked _____ Correct _____ Approved _____

C-O-P-Y

ENGINEERING REPORT

LEAD--BULLION MINE

IN THE

HARTFORD MINING DISTRICT, HUACHUCA MOUNTAINS

COCHISE COUNTY, ARIZONA

BY

E. I. Mc ELVENNY

MOTZ ENGINEERING CO.
BISBEE, ARIZONA

-----:-----

MOTZ ENGINEERING COMPANY
ENGINEERS & ASSAYERS
P. O. Box 919
BISBEE, Arizona

Ralph L. Motz
Linden T. McElvenny
Registered Professional Engineers
Bisbee, Arizona

LEAD-BULLION MINE

Examined and sampled between January 5th and 12th, 1928,
by L. T. McElvenny, E. M.

The Lead-Bullion group of mining claims lies in the Hartford Mining District, Huachuca Mountains, Cochise County, Arizona at 11 miles west of Hereford, a station on the Southern Pacific Railroad. Douglas, the smelting center of the southwest, at which is the lead smelter of the Phelps Dodge Corporation, is about 40 miles by rail from Hereford.

The claims cover the north fork of Hunter Canyon and reach, at their wester extremity, the divide between Hunter Canyon and Miller Canyon.

Elevation above sea level at the eastern end of the group is 5200 feet, at the western end is 6000 feet, and at the main shaft is 5700 feet.

Good county roads connect the mine with Hereford, the shipping point, excepting the first one and one-half miles below the mine. The road is all down grade from the mine to Hereford. An expenditure of \$200.00 will make a good road throughout.

A fresh water spring on the Spring claim provides enough water for domestic and ordinary mining purposes.

The property consists of 9 unpatented mining claims with a maximum center line length of 5800 feet and a maximum cross-width of 1800 feet. The average center line course is N. 55° W - 55° E.

The claims cover both the bottom and sides of the canyon, the general course of the canyon being east and west.

The property is well covered with a growth of small oak and pinyon trees which are serviceable as small mine timbers and stulls.

GENERAL GEOLOGY.

The center line of the claims is a fault contact between granite and limestone, and granite and a fine grained quartz porphyry.

The fault is reverse - an upthrust of the granite - on a plane dipping about 65° to the northeast.

To the northeast of the fault plane lies the granite and to the southwest lie the limestone and quartz porphyry.

Some of the limestone beds are 10 and 12 feet thick but the average thickness is one foot. Shaly and sandy beds are interspersed throughout. The average strike of the beds is N 35° W and the average dip is 40° northeasterly towards the granite contact. The limestones are of Devonian and Carboniferous age.

The Porphyry is an intrusive into the limestones and is faulted against the granite. It dips northeasterly at about a 45° angle.

Small andesitic dikes cut the limestones and granite but do not cut the porphyry. They show almost contin-

uously along the granite-limestone contact and are older than the ore.

The granite is a batholith accounting for the elevation of the whole of the Huachuca Mountains.

MINING.

A shaft has been sunk at about the center of the Bullion Claim, an inclined distance of 182 feet or a vertical distance of 134 feet below the collar. The inclined angle is 45° to the northeast. The shaft is in good repair. Water level rests at 114 feet vertically below the collar.

The footwall is limestone and the hanging wall is a green andesitic dike.

From the shaft, work has been done on the 50 foot, 100 foot, 140 foot and 180 foot levels, for the details of which see the attached map.

The shaft followed down on an 8 inch streak of lead carbonate ore which widened at the 100 foot level to over 24 inches. At this point about 20 tons of ore were taken out and the shoot passed into the footwall of the shaft at a dip angle of 65° . It was again picked up on the 140 foot level in the crosscut back under the shaft where it is 21 inches wide with iron and lead sulphides along side of it.

ORES

The ore is, as encountered so far, lead in the form of carbonate and sulphide together with gold and silver. No zinc nor manganese has been found. Iron Oxide accompanies the ores down to a depth of 104 feet below the surface at which point pyrite begins to come in.

LEAD - BULLION - 4

The ore occurs in shoots along the strike of the limestone beds with dips grading from the 45° dip of the limestones to a dip of 65° corresponding to the granite contact.

These shoots have been found at the granite contact and at points almost 100 feet from the contact. No ore has been found in the granite.

A limited amount of prospecting has opened shoots varying from 8 inches to 4 feet in thickness of unknown but rather short lengths. One shoot opened on the surface is 4 feet 2 inches wide and is uncovered for 65 feet in length. One end of this ore is still under the ground-soil overburden.

Surface gouging has uncovered ore values for a length of 1200 feet along the contact.

PORPHYRY

The porphyry in places is mineralized extensively with iron, and, at several points on the limestone-porphyry contact are found lead ore stringers of commercial grade in wide iron mineralized zones.

The limestone-porphyry contact on the Lead Bullion property has not been prospected and the showings above mentioned are exposed on claims belonging to George Dunn adjoining the Lead Bullion.

SAMPLING AND ORE OCCURENCE

The following samples were all taken from the ore zone immediately southwest of and parallel to the granite-limestone contact:

From the various shallow pits northwest of the main shaft on the Bullion Claim, none of which exceed 5 feet in depth, I took out samples

LEAD - BULLION - 5

which averaged gold, 0.01 ozs., silver 3.4 ozs, and lead 3.6%. These samples were taken over widths ranging from 6 feet to 20 feet and at five places.

From the most westerly pit on the Bullion claim came chunks running gold 0.01 oz. gold, silver 4.6 ozs., and lead 14.8%.

Sorted ore in piles of four or five tons at pits 250 feet northwest of the main shaft assay as follows:

No. 1 Gold 0.02 ozs. Silver 6.8 ozs., Lead 9.3%

No. 2 " 0.05 ozs. Silver 7.2 ozs., Lead 18.1%

Chunks from a small hole at 125 feet southeast of the main shaft runs gold 0.01 ozs., silver 1.0 ozs., lead 12.7%.

At 350 feet southeast of the shaft is an ore body from which the overburden has been stripped, permitting comprehensive sampling.

This body is 65 feet long and is not fully uncovered on the end towards the shaft.

Four samples cut across the showing are given below. They are spaced 20 feet apart. High grade chunks were avoided. Sample #19 was taken in a hole about 5 feet deeper than the floor of the pit. An actual sample of this pit including the high-grade would run at least 25% lead.

<u>No.</u>	<u>Width</u>	<u>Gold oz.</u>	<u>Silver oz.</u>	<u>Lead %</u>	
17	4' 2"	0.02	3.4	10.2	EAST End
18	5' 2"	0.02	7.4	20.6	
19	4' 0"	0.02	4.0	10.4	Pit
20	3' 0"	0.02	2.8	9.1	West End

LEAD - BULLION - 6

At 67 feet east of sample #17 is the beginning of another streak which is 37 feet long as exposed in a trench.

Samples taken at regular intervals from west to east show:

<u>No.</u>	<u>Width</u>	<u>Gold oz.</u>	<u>Silver oz.</u>	<u>Lead %</u>	
12	1' 0"	0.01	2.6	10.6	West End
13	1' 4"	0.01	2.6	9.4	
14	1' 1"	0.01	1.8	5.2	
15	1' 4"	Trace	0.6	0.7	
16	1' 2"	0.01	2.4	9.4	East End

The trench at samples 17 and 20 is 54 feet below the collar of the shaft, and from 12 to 16 is at 83 feet below the collar of the shaft.

Sample No. 9, at 92 feet east of sample No. 16, taken in a shallow hole 2 feet wide runs: Gold 0.02 oz., Silver 2.2 ozs. and lead 6.0%. The main ore shoot has not been cut at this point.

Between 25 and 30 tons of ore were sorted from the trenches covered by samples #12 and #20 which will assay 25% lead and 10 oz. silver.

There has been on prospecting east of sample #9.

Samples in the shaft are as numbered on the map:

<u>No.</u>	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Lead</u>	
1	8"	0.01	0.2	0.3	100' Level Xcut to Granite
2	4' 0"	0.01	0.2	0.2	Same
3	19' 0"	0.01	0.2	0.4	Same
4	11' 0"	0.2	0.6	1.3	Same
5	8"	0.01	0.4	1.3	Against Limestone
6	21"	0.08	6.2	22.4	Ore Shoot 140' level
7	4' 0"	Trace	0.2	0.3	Face
8	10"	0.10	8.0	19.9	Ore Shoot 50' level
9	12' 0"	0.01	0.4	0.4	Shaly limestone.

LEAD - BULLION - 7.

Sample #6 is the downward extension of the ore which was mined in the shaft at the 100 foot level and which seems to have an eastwardly rake. The 21 inches of ore at this point is on the footwall side of the mineralized break. The hanging wall is here flattening and is producing a wider mineralized zone, including 24 inches of leached material running 5% lead and a 12 inch streak of iron and lead sulphides of about the same lead values. The sulphide ore shows only in the bottom of the crosscut. No attempt was made to cut this ore on the 180 foot level, but some galena and pyrite were picked up. The main ore streak would be back of and to the east of the shaft at this level.

The vertical extent of the pay ore below the 100 foot level is 34 feet. The lateral extent is unknown. On the 100 foot level the streak was followed westerly for about 30 feet, the ore showing diminishing width.

The 100 foot level crosscut, cutting through the altered shaly lime beds and eventually reaching the granite, failed to expose any further commercial ore but show a width of 55 feet of leached material containing much iron oxide and some lean lead values throughout.

In May, 1926, the company shipped 38.3 dry tons of ore to the American Smelting & Refining Company at El Paso. This shipment netted \$19.31 per ton after freight deductions at the smelter. The smelter returns showed: Gold 0.05 oz., Silver 8.9 ozs. lead 20.12%. All of this ore was mined from the shaft.

The drift on the 50 foot level exposes a 10 inch streak of carbonate ore assaying 19.9% lead, 8 ounces silver and 0.10 ounces gold. (See Sample #8). It lies in the hanging wall of a divergent fracture which has been encountered also on the 100 foot level in open and caved ground and where the hanging wall streak also carries good values. This streak was not cut on the 140 foot level, and has perhaps raked to the eastward above this level.

The exploration work done in the shaft and levels there off shows that the main ore streak is getting wider and more persistent with depth.

It appears that the 100 foot level is the top of an ore shoot. The extent of this ore shoot is not known but the fact that it was picked up in the first fanum crosscut driven from the 140 foot level shows that it must be of greater extent laterally than on the 100 foot level.

I believe that this ore will persist eastwardly to connect with the shoots shown by samples #12 to 20.

DEPTH AND EXTENT.

A cross section of the property shows that the limestone will reach a minimum depth of 800 feet and will undoubtedly be cut by many tongues of the mineralized porphyry which outcrops on the Dunn Claims.

This porphyry intrusion I believe to be a source of mineralization for the whole area. This assumption cannot be shown at the present time, but if it be true, there is a possibility of greatly extending the ore zone when these porphyry tongues are cut at depth.

The contact fault between the limestone and granite is of great lateral extent, being traceable for several miles both northwesterly and southeasterly, and at many points along it lead ores are found, and at several places the quartz porphyry is close to the fault and ore is found on the porphyry-limestone contact.

EQUIPMENT:

The equipment on the ground consists of:

- 1- 8" x2" gasoline driven air compressor --(Belt driven, owner L. J. Cox)
- 1- Jack Hammer
- 1- Sullivan Tugger Hoist
- 1 Mine car
- 2 Mine buckets

LEAD - BULLION --90

also, a drill steel, mine rails, pipe, and enough tools for 4 underground workers.

The water in the present shaft flows at about 15 gallons per minute.

TITLE:

The claims belong to Lon Kelly, L. J. Cox and T. O. McGrath, a partnership.

They have surveyed and monumented the claims and location holes have been dug to conform with the law, and assessment work has been kept up.

However, a law suit has been brought against the owners by Max R. Von Baumkirchner, claiming prior location rights over a portion of the claims.

I have examined the case thoroughly and can find no grounds for his contention and am positive that the case will be won by the defendants.

FOR SALE:

Given a two year period for payments and a privilege to stope ore on a royalty basis to apply on purchase price, the property is worth from \$50,000 to \$75,000.

It is of especial appeal because of the fact that ore will be encountered which can be shipped direct to the smelter, 50 miles distant, thus paying part of the cost of development.

Should it become necessary to erect a mill, some source of water must be sought. Probably the mine itself will provide a considerable flow at depth.

The equipment on the ground can be made to serve, but for economical work, I would recommend acquiring a new compressor with engine, and 2 new jack hammers. The new equipment would cost about \$5000 set up.

A prospective purchaser of this property would do well to consider also the property of George Dunn and William Kelly, comprising 10 claims and a fraction,

Some of these claims are shown on the map. The other lie to south of and adjoin the Black Cat claim. I did not make a complete examination of

LEAD - BULLION - 10

this property, but have shown on the map the quartz porphyry body and the various workings on the contact with the limestone. In these workings, considerable high-grade ore has been uncovered. No hole is over 20 feet deep. George Dunn wants a tunnel about 220 feet long driven in under the shwoing in the center of the Black Cat claim to cut the ore at about 150 feet below the surface. Six months time will be given to do this work. The purchase price is \$25,000. This property can be worked in conjunction with the Lead-Bullion.

CONCLUSION:

This area is well worth prospecting and will, I believe, develop into a good mine.

Respectfully submitted,

MOTZ & Mc ELVENNY,

By L. T. McElvenny

Dated at Bisbee, Ariz.

Jan. 14, 1928

ASSAY REPORT

SHATTUCK-DENN MINING CORPORATION

Controls

Bisbee, Arizona 1-20 1936

Description	Au	Ag	Ph%	Cu%
	Oz. per ton	Oz. per ton		
Monroe	0	tr	0	
Blind Ledge	.15	02	28	
California	0	tr		0
San Bernardino	.68	02		51

(Signed) H. R. Hendricks
Assayer

DEPARTMENT OF MINERAL RESOURCES

News Items

Date June 16, 1939

Mine Armitage

Location

1 1/2 mi. from King

Owner

Bert Kelly

Address

Lowell, Ariz.

Operating Co.

Lowell Kelly -

Address

Pres.

Genl. Mgr.

Mine Supt.

Mill Supt.

Principal Metals

Lead-Silver

Men Employed

1

Production Rate

Mill, Type & Capacity

Power, Amt. & Type

Signed

WMC

(Over)

MA-12 ARMISTICE GROUP, Bert Kelly. Lowell, Arizona

Your name and address has been furnished to --

Edward Smith, P.O.Box 1923, Phoenix, Arizona

who has made request for the same with reference to
mining property listed with the Department of Mineral
Resources.

DEPARTMENT OF MINERAL RESOURCES

J. S. Coupal, Director

MA-12

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 16, 1939

Mine Armistice Group

District Hartford, Cochise Co.

Location 11 mi. west from Hereford

Former name Lead Bullion (1926-29)

Owner Bert Kelly

Address Lowell, Ariz.

Operator Lon Kelly

Address Hereford, "

President No corp.

Mine Supt.

Principal Metals Lead-Silver (gold, scheel)

ARMISTICE GROUP

Pb, Au

Production Rate

Cochise

2 - 5

T 23 S, R 20 E

Power: Amt. & Type Not

Bert Kelly, Lowell

Operations: Present Assessment work only

'42

Operations Planned Depends on financing

Number Claims, Title, etc. Five unpatented lode claims - on Coronado National Forest

Description: Topog. & Geog. North Fork Hunter Canyon on south slope of divide
between Miller Canyon. Elev. of main shaft 5,7000

Mine Workings: Amt. & Condition 1 shaft (40° incl.) 186' - 300' dfts, Shaft in
fair condition and accessible except 30' water in bottom.
Numerous shallow workings

(over)

foot wall hanging wall
Geology & Mineralization Contact vein between limestone - granite - Av. str. N. 35° W.
Dip 40' N.E. Intrusive Qtz-porphyry in connection. Ore occurs in
lenses - walls permanent.

Ore: Positive & Probable, Ore Dumps, Tailings
no Yes 10 tons none Ore in sight in clear to bottom but not blocked out.
Have five good ore showings. Shipment 383 tons.
An .05 oz. ag. 8.9 oz. Pb. 20.12% net \$19.31 per ton
May 1926.

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route Fair wood leads off Ft. Huachuca Highway @ Hunter Canyon 1½ miles.
Most grade 6%

Water Supply Domestic only

Brief History Prospected in early '80s. Located by Lon Kelly, 1925. Developed by L. T. Cos,
T. O. McGrath, Lone Kelly (Joint venture) J. G. Bryson of Los Angeles
put in \$2,800 - Bryson reported O.K.

Special Problems, Reports Filed Report by L. T. McElvenny of Motz Engr. Co. Jan. 14, 1928.

Remarks

If property for sale: Price, terms and address to negotiate. Property will be open for deal after
July 1, 1939.

ATTACHED TO REPORT:

Engineering Report Lead-Bullion
Mine in Hereford Mg. Dist., Huachuca Mts.,
Cochise County, Arizona,
By E.L. McElvenny, Motz Engineering Co.,
Bisbee, Arizona, date Jan. 14, 1928.

Signed.....

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

6/16/39

Mine

Armistice Group

District

Hartford, Cochise Co.

Former name

Lead Bullion (1926-29)

Owner

Bert Kelly

Operator

Lon Kelly

President

No Corp.

Mine Supt.

Principal Metals

Lead-Silver (gold,
Scheelite minor)

Production Rate

Power: Amt. & Type

Not

Operations: Present

Assessment work only.

Location

11 mi W from Hereford.

Address

Lowell, Ariz.

Address

Hereford "

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Operations Planned

Depends on financing.

Number Claims, Title, etc.

Five unpat'd lode claims - on Coronado
Nat'l Forest.

Description: Topog. & Geog.

North Fork Hunter Canyon on S Slope
of divide bet. Miller Canyon. Elev. of main
shaft 5700.

Mine Workings: Amt. & Condition

1 shaft (40° incl) 186' - 300' Dfts.
Shaft in fair condition & accessible
except 30' water in bottom. Numerous
shallow workings.

(over)

Geology & Mineralization

Foot Wall Hanging Wall
Contact Vein bet. Limestone & Granite
No. 5th N 35° W - Dip 40° NE. Intrusive Ptz - ph.
phyry in connection. Ore occurs in lenses.
Walls permanent.

Ore: Positive & Probable, Ore Dumps, Tailings

no = yes 10 tons None Ore in sight in clear to bottom
but not blocked out. Have given good
ore showings. Shipment 3822 lbs. Aug. 25/99. Ag. 899
lb. 20.12% net \$931 p. Oct. May 1926.

Mine, Mill Equipment & Flow Sheet

None

Road Conditions, Route

Fair road leads off Ft. Huachuca
highway @ Hunter Canyon 1 1/2 miles. Max
grade 6%.

Water Supply

- Domestic only.

Brief History

Prospected in early '80s. Located by Lon Kelly 1922
Developed by L.T. Cox, T.O. McGrath, Lon Kelly (Joint Venture)
J.G. Boyson of Los Angeles put in \$2800.00. Boyson reported to

Special Problems, Reports Filed

- Report by L.T. McElvenny of Motz Engr. Co.
Jan 14, 1928.

Remarks

If property for sale: Price, terms and address to negotiate. Property will be open for deal
after July 1, 1939.

Signed.....

HUACHUCA MOUNTAINS COCHISE COUNTY, ARIZONA

SURFACE MAP

Scale 1 in. = 300 ft.

