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The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 03-11-2009

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BUCKHORN MINE

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 951

LOCATION: TOWNSHIP 8 N RANGE 2 W SECTION 17 QUARTER SW
LATITUDE: N 34DEG 01MIN 22SEC LONGITUDE: W 112DEG 29MIN 42SEC
TOPO MAP NAME: COPPEROPOLIS - 7.5 MIN

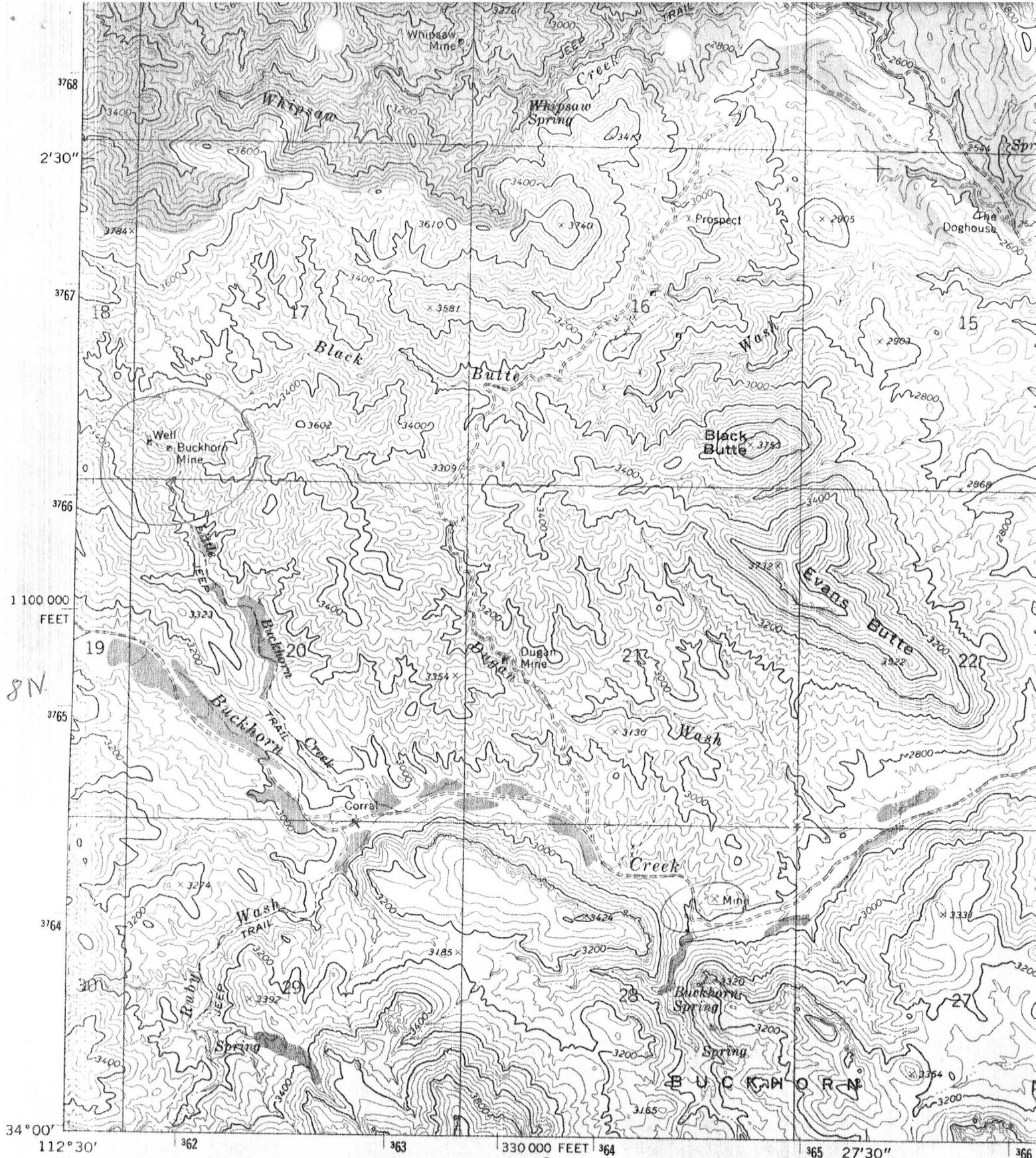
CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD
SILVER
COPPER
LEAD
ZINC

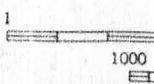
BIBLIOGRAPHY:

USGS COPPEROPOLIS QUAD
ADMMR BUCKHORN MINE FILE
LINDGREN, W. ORE DEPTS OF THE JEROME AND
BRADSHAW MTS QUADS USGS BULL 782 1926 P 185



Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS
 Topography by photogrammetric methods from aerial
 photographs taken 1968. Field checked 1969
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Arizona coordinate system, central zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 12, shown in blue

*Buckhorn Mine
 Yavapai County*



UTM GRID AND 1969 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

Copperopolis Ariz.



Buckhorn Wash Placer operation April 1 , 2005

source: donated digital photo



BUCKHORN MINE

YAVAPAI COUNTY

11-23-77 - A map of Black Rock District, and a map of Wickenburg showing points of interest, are filed in Wickenburg general file. 11-23-77 bh

See ~~782~~ 782 p 185
W.S.G.S.

BUCKHORN MINE

MINEROLOGY:

Though I saw a great deal of your district, I am not prepared speak very definitely on its minerology, that is on the composition of its rocks. In the Lower series, the metamorphism has been so profound that it is frequently difficult to see whether a rock was originally sedimentary or an interbedded eruptive. However, precise definition is not at all necessary to a clear understanding of the condition under which your ore occurs. The character of the rock in your vicinity is obvious at a glance, it belongs distinctly to the series of granitoid (dibase) eruptives whose composition ranges about midway between the basic and acidic, and which in all mining regions appear to be the eruptives which have most influenced the deposition of ores.

The vein has a trend of NE-SW, the outcrop can be traced for 2800 feet in several places, openings have been made showing the ore. The ore has present malachite, azurite, lead, carbonite, humite carrying gold.

DEVELOPMENT:

The development consists of a shaft 80 feet; a drift running West at 65 foot-26 feet to fact of drift; at 80 foot a 108 foot drift running East and 69 foot drift running West, with a 12 foot sump; on the surface is a tunnel running West from the shaft 150 feet, and one running on the East side of the creek 75 feet. Tunnel on the West has been stoped out to the surface. Some ore has been stoped out from the 65 foot drift West from the shaft; also some ore taken on the East side of the shaft at about 40 feet. Some stoping has been done on the ore on the 80 foot level on the East side; some very rich ore was taken from this side.

There are a number of open cuts made along the trend of the vein both East and West where same ore was taken out. The total amount of work done is about 520 feet, which includes the surface work and tunnels.

LOCATION AND ACCESSIBILITY:

This property (or group of claims) owned by the Buckhorn Mining Company. (A California Corporation) and leased to F E Sharpe are located 22 miles in a northeasterly direction from Wickenburg, Yavapai County, Arizona, which is the nearest Post-office and shipping point on the Santa Fe Railroad, a town of about 800 population, this being about 60 miles from Phoenix.

The property is located in the Castel Creek Mining District and is reached over a very good road for wagon or trucks.

CLAIMS AND TITLES:

These claims were located in December 1899 by a Mr Roby, and consist of 8 claims, a Mill site and Water right. Claims are known as the: "Cuckoo", "Anagonda", "First Chance", "Gold Coin No. 1", "Gold Coin No. 2", "Gold Coin No. 3", "Gold Coin No. 8", "Dove"; also the Cuckoo Mill Site and Water Right about 1½ miles in a Southeast-erly direction from the above claims.

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

The property was later sold to the Buckhorn Mining Company, which at present hold title; later a lease was executed to Frank E Sharpe for 10 years with a bond of \$500,000.00 with 10% royalty applying upon the purchase price. Later, Frank E Sharpe transferred the said lease to E B Carson, Agent.

GEOLOGY:

The geologic section exposed here is composed almost entirely of rocks belonging to the pre-Cambrian metamorphosed sediments. These medium fine-grained mica schists are arenaceous intruded in an irregular manner by acidis and basis dikes, cutting across the planes of Schistosity.

The Schists have a dull satiny luster, are composed essentially of quartz and white schiets; clorite and iron oxides have stained the rocks in various colors. The schists occurring in this section are members of the Algonkian Schiets (known in Arizona as the Pinal Schists or the Yavapai Schists).

WATER:

Water for domestic purposes can be secured from well and mine. Water for mining and milling purposes can be secured from the shaft. The mine is making about 8600 gallons per day at this time, which would be enough for present milling purposes. However, more water will be developed as the mine is developeda.

For larger operations the Company has a Water right about 1 1/2 miles in a Southeasterly direction from the property which is fed by springs; enough water could be developed here for any future milling operations.

TIMBER:

Timber for surfaces and domestic purposes can be secured at Wickenburg; while timber for mining or heavy construction work will have to be secured at California, Arizona, and New Mexico timber belts F.o.b. Wickenburg about \$50.00 per "M".

EQUIPMENT:

The equipment consists of a hoisting plant, compressing plant, small mill with Herman Ball Mill, plates, table and 25 H P gas engine, pumps, bunk houses, and equipment for same, also two trucks.

For future development it will be necessary to have your larger hoist placed at the shaft as well as some improvements made on the mill and compressing plant. The value of the present equipment will run between \$45,000 and \$50,000.00.

VALUES:

From careful sampling along the drifts and stopes are shown the following results:

	Silver		Gold	
	oz.	value	oz.	Value
Stope Special	1.00	0.63	1.888	39.02
4 E @ 50 Ft	.01	.06	.36	7.44
2 W @ 12 "	.04	.25	1.14	23.56
3 E " 75 "	.05	.31	1.44	29.76
Sample	.08	.05	.24	4.96
#1 Sump	.03	.18	.248	5.12
Stope #1	.06	.34	.624	12.89
" #2	1.04	.85	3.08	63.66
" #C	.03	.18	.48	9.92

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

Continuation of the Consolidated Kansas City Smelting & Refining reports.

	<u>Rate</u>	<u>Amt. per ton</u>	<u>Amt. Total</u>
Gold-	20.00 oz	\$85.00	
Silver-	.6575 oz	2.70	
Lead-	5.75 lbs	37.64	
Copper-	.11875 lbs.	.19	
Total Payment for Metals-			125.53
Treatment charge f.o.b. El Paso Smelting Works		5.00	
Bricking charge		1.00	
Handling sacks		.50	

	<u>Analysis</u>	<u>Deduction</u>	<u>Net</u>	<u>Rate</u>	
Insoluble	15.0%			.05	cts.75
Zinc	8.0	5.	3.0	.30	" .90
Total Deductions					8.15
Net Value per Ton					8.15
					117.38

		<u>Debits</u>	<u>Credits</u>
Total value on	3.1135 dry tons @ 117.38 per ton		365.46
Less Freight on	3.165 wet tons " 1.69 Cwt. "	106.98	
Less umpires	Returning Sacks	.85	
Less Demurrage	switching	5.68	
Less revenue stamps	sampling	10.00	
Balance due shipper		241.95	
		365.46	365.46

-----oOo-----

No. 8487

Memo Report on Gold Bullion deposited at the Mint of the United States at San Francisco, May 31, 1923, by The Traders' Bank, Wickenburg, Ariz.

	<u>Weight</u>	<u>Gold</u>	<u>Silver</u>	<u>chgs.</u>	<u>Net val.</u>
	Before Melting	After Melting	Fineness 1,000 the	Val. @66% theper fine oz.	
Bar	12.87 oz.	12.83 oz.	725	\$192.27 265 \$2.24	\$1.53 192.98

Signed - L. Todd
for the Superintendent.

-----oOo-----

No. 7556

Memo Report Gold Bullion deposited at the Mint of the United States at San Francisco, Apr. 3, 1923 by the Arizona Leasing Syndicate.

	<u>Weight</u>	<u>Gold</u>	<u>Silver</u>	<u>chgs.</u>	<u>Net Value</u>
	Before Melting	After Melting	Fineness 1000 the	Val. @cts 1000 the per fine oz.	
Bar	95.50 oz.	97.43 oz.	718½	\$1447.09 272½ \$26.54 \$5.08	\$1468.55

Signed - L. Todd,
for the Superintendent.

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copies of reports continued on next sheet.

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

Zinc average 2.16%
 Copper " 1.61%
 Lead " .09%

The values consist of Gold, Silver, Copper, Lead and Zinc; the Gold and Silver being the metal of highest values. The Gold will average 1.05 oz. per ton of \$21.00. However, the ore in the ore shoots runs very high, but the workable average is about \$21.00. The average width of vein is 21 inches.

PRODUCTION:

The locator of this property, Mr Roby, worked these claims for some time in a very crude way, taking out between \$20,000 and \$25,000.00. The Buckhorn Mining Company also shipped some gold to the U. S. Mint. Frank, Sharp, Lessee, has shipped to the U. S. Mint up to date 235.74 ozs., netting him 3,675.03; of course this amount was taken from the operation of the mill, which was only in operation a very short time.

From the last mill run that was made, they obtained a bar of 97.50 ozs., amounting to \$1,468.55; from this run the first concentrates were shipped. There were 6,330 lbs. sent to the El Paso Smelter, the returns being \$117.38 per ton net.

There is no question in my mind but what the loss on this mill runs was very high; however, there is no reason that I can see that should keep this mill from bringing the extraction up to a standard saving.

The following statements are copies of U. S. Mint and Smelter returns:

(COPY)

The Consolidated Kansas City Smelting & Refining Co.
 El Paso Smelting Works Plant
 Ore Settlement

El Paso, Texas, June 29, 1923

Bought of Arizona Leasing Syndicate,
 Shipping Point, Wickenburg, Ariz.
 Classification---Conc.

Smelter Lot- 1826

No.	CAR	Weight in Avoirdupois lbs.			Moisture %	Dry wgt.	
		Init.	Gross No.	Net weight			
32239	AT	6330	43	40	6290	1	6227

Reg. Lead Ded. 1.5
 Ded. a/c Cu pd for .032

New York Metal Quotations

Settlement date 6-19-23
 Silver 6575 Cts. per oz.
 Lead 7.25 per 100 lbs.
 Copper 14875 Cts. per lb.

PAYMENTS FOR METALS

	Assay per ton 2000#	Deducted Net assay		Equiv. % pd. in lbs. for	Net Pd. for
Gold	4.25 oz.				
Silver	4.6 "	.5	4.1		
Lead	37.9 %	1.532	36.368	727.36	90
Copper	.83 %	.75	.08	1.6	654.624 #

J. E. RUSSELL
 LAWYER
 PRESCOTT, ARIZONA

No. 6345

Memo Report of Gold Bullion deposited at the Mint of the United States at San Francisco, Mar. 16, 1923 by the Traders' Bank, Wickenburg, Ariz.

	Weight		Gold	Silver	Chgs.	Net Value
	Before Melting	After Melting	Fineness 1000 ths	Fineness 1000 ths		
Bar	15.39 oz.	15.36 oz.	763 $\frac{1}{4}$	234 $\frac{1}{2}$	\$2.31	\$1.64
						\$243.11

Signed - L. Todd,
for the Superintendent.

-----oOo-----

Sewell Bros. Smelters and Refiners, 1025 Towne Ave., Los Angeles, Calif.
Mar. 6, 1923

For Mr. R. Myers,
Arizona Leasing Syndicate.

Returns of	Weight before Melting	Fine Gold Content	Fine Silver Content	Total
Gold Bar	55.98 oz.	766.04	14.5 ozs. - \$9.28	\$775.32

Total Values

Cash advances	\$700.00 check	Total Deductions	705.00
Refining Charges	5.00	Net Proceeds	70.32

-----oOo-----

Sewell Bros., Smelters and Refiners, 1025 Towne Ave., Los Angeles, Calif.

For Mr. R. Myers
Arizona Leasing Syndicate

Feb. 8, 1923

Returns of	Weight before Melting	Fine Gold Content	Fine Silver Content	Total
Gold Bar	54 ozs.	\$752.87	14.7 - \$9.25	\$762.12

Total values \$762.12

Cash Advances	\$631.35	Total deductions	130.77
Metal Advances	126.77 cwt.	Net Proceeds	631.35
Refining Charges	4.00		
(Signed by Ed. C. Sewell)			

-----oOo-----

Sewell Bros., Smelters and Refiners, 1025 Towne Ave., Los Angeles, Calif.

For R. R. Myers
Arizona Leasing Co.

Feb. 26, 1923

Returns of Weight before Melting

Bar 55.98 ozs.

To be Refined

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

(Copy) of Reports continued -

Cash advances \$700.00 check \$732

Signed by Sewell Bros.
by E. O. S.

-----oOo-----

The Twining Laboratories, 2146-6 Merced St., Fresno, Calif.

Feb. 24, 1923

O-2545
Examination 16114
for L. O. Stephens, Fresno, Calif.

Sample	Ore	Ounces per Ton	Value per Ton
	Gold	12	\$248.04
	Silver	trace	

Signed - The Twining Laboratories
By F. Twining.

-----oOo-----

J. E. RUSSELL
LAWYER
-PRESCOTT, ARIZONA

LABOR COSTS
MINING AND MILLING

Miners	per day of 8 hours	\$5.25
Muckers	" " " " "	4.25
Timber Men	" " " " "	6.00
Top Men	" " " " "	4.25
Hoist Men	" " " " "	5.25
Foremen	" " " " "	6.00
Mill Man	" " " " "	7.00
Truck Driver	" " " " "	5.00
Cook	\$70.00 per month	

FUEL COSTS F.O.B. Wickenburg

Stove Tops	13 $\frac{1}{2}$ ¢ per gal.
Distilate	18¢ " "
Gasoline	25¢ " "
Lubricating Oil about	55¢ " "
Coal Oil	20¢ " "

POWDER, CAPS, FUSE

Powder	\$20.00 per 100 lbs.
Cape	1.75 " " "
Fuse	10.00 " M

FREIGHT FACILITIES AND TRANSPORTATION:

There is a good road running from the Mine to Wickenburg of 22 miles, 6 miles of which this property has built; the balance is kept in condition by the Arizona Leasing Syndicate and the Abe Lincoln Mine. The branch of the Santa Fe Railroad runs from Wickenburg to all smelting and supply points. The Company has two trucks, one for light work and one for heavy hauling, which is enough to handle all their hauling.

OBSERVATIONS:

In the brief time at my command I could not get over the precipitous

part of your ground and confined myself to a study of the vicinity of your very promising and extended outcrop. You are reasonably safe in figuring that development will give you a good mine in the group. Your property is in a well mineralized district, you have the right geological conditions, and a strong and extended outcrop, and are warranted in the hopes of developing a mine.

There should be a fixed per cent set aside for development work on the mine, as well as an amount for future treatment plant.

See that strict economy is always studied, but discriminate between true and fictitious economy.

Neither the gross cost of operation nor the payment of high or low wages are any real proof whatever that either economy or extravagance in the management of any mine; the measure of the one or the other can only be gauged by a comparison from month to month.

Yours respectfully,

THOS. B. FISHER
Mining Engineering

Date August, 1923

See ~~1877~~ Bull. 782 p 185
U.S.G.S.

BUCKHORN MINE

MINEROLOGY:

Though I saw a great deal of your district, I am not prepared speak very definitely on its minerology, that is on the composition of its rocks. In the Lower series, the metamorphism has been so profound that it is frequently difficult to see whether a rock was originally sedimentary or an interbedded eruptive. However, precise definition is not at all necessary to a clear understanding of the condition under which your ore occurs. The character of the rock in your vicinity is obvious at a glance, it belongs distinctly to the series of granitoid (dibase) eruptives whose composition ranges about midway between the basic and acidic, and which in all mining regions appear to be the eruptives which have most influenced the deposition of ores.

The vein has a trend of NE-SW, the outcrop can be traced for 2800 feet in several places, openings have been made showing the ore, The ore has present malachite, azurite, lead, carbonite, humite carrying gold.

DEVELOPMENT:

The development consists of a shaft 80 feet; a drift running West at 65 foot-26 feet to fact of drift; at 80 foot a 108 foot drift running East and 69 foot drift running West, with a 12 foot sump; on the surface is a tunnel running West from the shaft 150 feet, and one running on the East side of the creek 75 feet. Tunnel on the West has been stopped out to the surface. Some ore has been stoped out from the 65 foot drift West from the shaft; also some ore taken on the East side of the shaft at about 40 feet. Some stoping has been done on the ore on the 80 foot level on the East side; some very rich ore was taken from this side.

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This property (or group of claims) owned by the Buckhorn Mining Company. (A California Corporation) and leased to F E Sharpe are located 22 miles in a northeasterly direction from Wickenburg, Yavapai County, Arizona, which is the nearest Post-office and shipping point on the Santa Fe Railroad, a town of about 800 population--this being about 60 miles from Phoenix.

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These claims were located in December 1899 by a Mr Roby, and consist of 8 claims, a Mill site and Water right. Claims are known as the: "Cuckoo", "Anaconda", "First Chance", "Gold Coin No. 1", "Gold Coin No.2", "Gold Coin No.3", "Gold Coin No. 8", "Dove"; also the Cuckoo Mill Site and Water Right about 1 1/2 miles in a Southeast-erly direction from the above claims.

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

The property was later sold to the Buckhorn Mining Company, which at present hold title; later a lease was executed to Frank E Sharpe for 10 years with a bond of \$500,000.00 with 10% royalty applying upon the purchase price. Later, Frank E Sharpe transferred the said lease to E B Carson, Agent.

GEOLOGY:

The geologic section exposed here is composed almost entirely of rocks belonging to the pre-Cambrian metamorphosed sediments. These medium fine-grained mica schists are arenaceous intruded in an irregular manner by acidis and basis dikes, cutting across the planes of Schistosity.

The Schists have a dull satiny luster, are composed essentially of quartz and white schists; clorite and iron oxides have stained the rocks in various colors. The schists occurring in this section are members of the Algonkian Schists (known in Arizona as the Pinal Schists or the Yavapai Schists).

WATER:

Water for domestic purposes can be secured from well and mine. Water for mining and milling purposes can be secured from the shaft. The mine is making about 8600 gallons per day at this time, which would be enough for present milling purposes. However, more water will be developed as the mine is developed.

For larger operations the Company has a Water right about 1½ miles in a Southeasterly direction from the property which is fed by springs; enough water could be developed here for any future milling operations.

TIMBER:

Timber for surface and domestic purposes can be secured at Wickenburg; while timber for mining or heavy construction work will have to be secured at California, Arizona, and New Mexico timber belts F.o.b. Wickenburg about \$50.00 per "M".

EQUIPMENT:

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	oz.	value	oz.	Value
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4 E @ 50 Ft	.01	.06	.36	7.44
2 W @ 12 "	.04	.25	1.14	23.56
3 E " 75 "	.05	.31	1.44	29.76
Sample	.08	.05	.24	4.96
#1 Sump	.03	.18	.248	5.12
Stope #1	.06	.34	.624	12.89
" #2	1.04	.85	3.08	63.66
" #C	.03	.18	.48	9.92

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

Continuation of the Consolidated Kansas City Smelting & Refining reports.

	<u>Rate</u>	<u>Amt. per ton</u>	<u>Amt. Total</u>
Gold-	20.00 oz	\$85.00	
Silver-	.6575 oz	2.70	
Lead-	5.75 lbs	37.64	
Copper-	.11875 lbs.	.19	
Total Payment for Metals-			125.53
Treatment charge f.o.b. El Paso Smelting Works		5.00	
Bricking charge		1.00	
Handling sacks		.50	

	<u>Analysis</u>	<u>Deduction</u>	<u>Net</u>	<u>Rate</u>	
Insoluble	15.0%			.05 cts.	75
Zinc	8.0	5.	3.0	30 "	.90
				Total Deductions	<u>8.15</u>
				Net Value per Ton	<u>8.15</u>
					<u>117.38</u>

		<u>Debits</u>	<u>Credits</u>
Total value on	3.1135 dry tons @ 117.38 per ton		365.46
Less Freight on	3.165 wet tons " 1.69 Cwt. "	106.98	
Less umpires	Returning Sacks	.85	
Less Demurrage	switching	5.68	
Less revenue stamps	sampling	10.00	
		Balance due shipper	
		<u>241.95</u>	
		365.46	365.46

-----oOo-----

No. 8487

Memo Report on Gold Bullion deposited at the Mint of the United States at San Francisco, May 31, 1923, by The Traders' Bank, Wickenburg, Ariz.

	Weight		Gold		Silver			
	Before	After	Fineness	Value	Fineness	Val. @ 66¢	chge.	Net val.
	Melting	Melting	1,000 the		1000 the	per fine oz.		
Bar	12.87 oz.	12.83 oz.	725	\$192.27	265	\$2.24	\$1.53	192.98

Signed - L. Todd
for the Superintendent.

-----oOo-----

No. 7556

Memo Report Gold Bullion deposited at the Mint of the United States at San Francisco, Apr. 3, 1923 by the Arizona Leasing Syndicate.

	Weight		Gold		Silver		chgs.		Net Value
	Before	After	Fineness	Value	Fineness	Val. @ cts			
	Melting	Melting	1000 the		1000 the	per fine oz.			
Bar	95.50 oz.	97.43 oz.	718½	\$1447.09	272½	\$26.54	\$5.08	\$1468.55	

Signed - L. Todd,
for the Superintendent.

-----oOo-----

copies of reports continued on next sheet.

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

Zinc average 2.16%
 Copper " 1.61%
 Lead " .09%

The values consist of Gold, Silver, Copper, Lead and Zinc; the Gold and Silver being the metal of highest values. The Gold will average 1.05 oz. per ton of \$21.00. However, the ore in the ore shoots runs very high, but the workable average is about \$21.00. The average width of vein is 21 inches.

PRODUCTION:

The locator of this property, Mr Roby, worked these claims for some time in a very crude way, taking out between \$20,000 and \$25,000.00. The Buckhorn Mining Company also shipped some gold to the U. S. Mint. Frank, Sharp, Lessee, has shipped to the U. S. Mint up to date 235.74 ozs., netting him 3,675.03; of course this amount was taken from the operation of the mill, which was only in operation a very short time.

From the last mill run that was made, they obtained a bar of 97.50 ozs., amounting to \$1,468.55; from this run the first concentrates were shipped. There were 6,330 lbs. sent to the El Paso Smelter, the returns being \$117.38 per ton net.

There is no question in my mind but what the loss on this mill runs was very high; however, there is no reason that I can see that should keep this mill from bringing the extraction up to a standard saving.

The following statements are copies of U. S. Mint and Smelter returns:

(COPY)

The Consolidated Kansas City Smelting & Refining Co.
 El Paso Smelting Works Plant
 Ore Settlement

El Paso, Texas, June 29, 1923

Bought of Arizona Leasing Syndicate,
 Shipping Point, Wickenburg, Ariz.
 Classification---Conc.

Smelter Lot- 1826

No.	CAR Init.	Weight in Avoirdupois lbs.			Moisture %	Dry wgt.
		Gross No.	sacks	Net weight wgt.		
32239	AT	6330	43	40	6290	1 6227

Reg. Lead Ded. 1.5
 Ded. a/c Cu pd for .032

New York Metal Quotations

Settlement date 6-19-23
 Silver 6575 Cts. per oz.
 Lead 7.25 per 100 lbs.
 Copper 14875 Cts. per lb.

PAYMENTS FOR METALS

	Assay per ton 2000#	Deducted Net assay		Equiv. % pd. in lbs. for	Net Pd. for
Gold	4.25 oz.				
Silver	4.6 "	.5	4.1		
Lead	37.9 %	1.532	36.368	727.36	90 654.624 #
Copper	.83 %	.75	.08	1.6	

J. E. RUSSELL
 LAWYER
 PRESCOTT, ARIZONA

No. 6345

Memo Report of Gold Bullion deposited at the Mint of the United States at San Francisco, Mar. 16, 1923 by the Traders' Bank, Wickenburg, Ariz.

	Weight		Gold	Silver	Chgs.	Net Value
	Before Melting	After Melting	Fineness 1000 ths	Fineness 1000 ths		
Bar	15.39 oz.	15.36 oz.	763 $\frac{1}{4}$	234 $\frac{1}{2}$	\$1.64	\$243.11
			Value \$242.34	Value per fine oz.	\$2.31	

Signed - L. Todd,
for the Superintendent.

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Sewell Bros. Smelters and Refiners, 1025 Towne Ave., Los Angeles, Calif.
Mar. 6, 1923

For Mr. R. Myers,
Arizona Leasing Syndicate.

Returns of	Weight before Melting	Fine Gold Content	Fine Silver Content	Total
Gold Bar	55.98 oz.	766.04	14.5 ozs. - \$9.28	\$775.32

Total Values

Cash advances \$700.00 check
Refining Charges 5.00

Total Deductions	705.00
Net Proceeds	<u>70.32</u>

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Sewell Bros., Smelters and Refiners, 1025 Towne Ave., Los Angeles, Calif.

For Mr. R. Myers
Arizona Leasing Syndicate

Feb. 8, 1923

Returns of	Weight before Melting	Fine Gold Content	Fine Silver Content	Total
Gold Bar	54 ozs.	\$752.87	14.7 - \$9.25	\$762.12
Total values				\$762.12

Cash Advances \$631.35
Metal Advances 126.77 cwt.
Refining Charges 4.00
(Signed by Ed. C. Sewell)

Total deductions	130.77
Net Proceeds	<u>631.35</u>

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Sewell Bros., Smelters and Refiners, 1025 Towne Ave., Los Angeles, Calif.

For R. R. Myers
Arizona Leasing Co.

Feb. 26, 1923

Returns of Weight before
Melting

Bar 55.98 ozs.

To be Refined

J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

(Copy) of Reports continued -

Cash advances \$700.00 check \$732

Signed by Sewell Bros.
by E. O. S.

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The Twining Laboratories, 2146-6 Merced St., Fresno, Calif.

Feb. 24, 1923

O-2545
Examination 16114
for L. O. Stephens, Fresno, Calif.

Sample	Ore	Ounces per Ton	Value per Ton
	Gold	12	\$248.04
	Silver	trace	

Signed - The Twining Laboratories
By F. Twining.

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J. E. RUSSELL
LAWYER
PRESCOTT, ARIZONA

LABOR COSTS

MINING AND MILLING

Miners	per day of 8 hours	\$5.25
Muckers	" " " " "	4.25
Timber Men	" " " " "	6.00
Top Men	" " " " "	4.25
Hoist Men	" " " " "	5.25
Foremen	" " " " "	6.00
Mill Man	" " " " "	7.00
Truck Driver	" " " " "	5.00
Cook	\$70.00 per month	

FUEL COSTS

F.O.B. Wickenburg

Stove Tops	13 $\frac{1}{2}$ ¢ per gal.
Distillate	18¢ " "
Gasoline	25¢ " "
Lubricating Oil about	55¢ " "
Coal Oil	20¢ " "

POWDER, CAPS, FUSE

Powder	\$20.00 per 100 lbs.
Cape	1.75 " " "
Fuse	10.00 " M

FREIGHT FACILITIES AND TRANSPORTATION:

There is a good road running from the Mine to Wickenburg of 22 miles, 6 miles of which this property has built; the balance is kept in condition by the Arizona Leasing Syndicate and the Abe Lincoln Mine. The branch of the Santa Fe Railroad runs from Wickenburg to all smelting and supply points. The Company has two trucks, one for light work and one for heavy hauling, which is enough to handle all their hauling.

OBSERVATIONS:

In the brief time at my command I could not get over the precipitous