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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GREAT BEAR MINE

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 256

LOCATION: TOWNSHIP 4 N RANGE 20 W SECTION 22 QUARTER NW
LATITUDE: N 33DEG 40MIN 35SEC LONGITUDE: W 114DEG 19MIN 11SEC
TOPO MAP NAME: MIDDLE CAMP MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
GOLD LODE

BIBLIOGRAPHY:
AZBM FILE DATA
ADMMR GREAT BEAR MINE FILE

NUMBER	FILE	CONT	CONT1	PRINAME
256	**F**	**0**	**N**	**GREAT BEAR MINE**

ALTNAME1	ALTNAME2
ALTNAME3	ALTNAME4
ALTNAME5	ALTNAME6

CURSTAT	MNAME	NLATDEG	NLATMIN
PAST PRODUCER	**MIDDLE CAMP MTN - 7.5 MIN**	**33**	**40**

NLATSEC	WLONGDEG	WLONGMIN	WLONGSEC	TOWN	RANGE	SECTION	QUARTER	COM1
35	**114**	**19**	**11**	**4 N**	**20 W**	**22**	**NW**	**AU**

MODI1	COM2	MODI2	COM3	MODI3	COM4	MODI4
LODE						

COM5	MODI5	COM6	MODI6	COM7	MODI7

BIB1
AZBM FILE DATA
BIB2
ADMMR GREAT BEAR MINE FILE
BIB3

BIB4

T4N R20W Sec 22 NW

GREAT BEAR MINE.

(A semi-developed Gold Lode)
(~~Yuma~~ La Paz County, Arizona)

This property consists of four unpatented mining lode claims situated in the Plomosa Mining District, Yuma County, Arizona, about 3 miles northwest of the town of Quartzite, the latter on paved road, one of the main east-west highways of the state. The railroad points nearest are Vicksburg to the East and Blythe, California, to the West both being approximately 20 miles distant from the mine.

The mine lies in the Dome Rock Mountains at an elevation of around 1300 feet above sea level and is very accessible; main bus lines on the Arizona-California route stop at Quartzite.

The gold lode occurs in a schist-gneiss complex and extends for two full claims, end to end lengthwise, on the property and beyond into adjoining ground under a different ownership. The gold deposits are in a strong shear zone consisting of fault fissuring in medium grained schist. This latter is crushed, silicified, and ferruginated and a very strong fault system is evidenced, with apparently three distinct, parallel gold bearing veins or lodes; only the middle one having as yet been opened up to any extent. The gold occurs almost entirely as fine to coarse grains and is not the thin type usually found on the cleaveages and fractures in schist and shale deposits. It seems to have been introduced into the schist through the medium of iron bearing magmas ascending through the joint planes, laminations and fissures in the crushed zone of shearing and depositing with the iron minerals during the alteration and replacement processes that took place in the schist. It is distinctly not a quartz lode. The gold bearing schist is abundantly mineralized with the oxidized iron minerals as hematite, limonite and siderite.

The main vein has been developed over the past 8 years by the owner, a man with insufficient financial resource to carry on proper development work, who has leased the ground to parties who largely "high-graded" and shipped the better grade ore. However the work done has evidenced the continuity of the gold ores for some 1500 feet along the strike in adit drifts to which the topography of the surface of the lode lends itself favorably, with average height of backs of about 150 feet. With the average width of the lode or vein being 3½ feet, there is a block of partly developed ore of some 30,000 tons available down to the bottom of the lowest level which is the 100-foot shaft, i.e. 150'x 1000ft.x 3.5'. In places the vein has widths up to 6 and 8 feet wide. The assays over long periods of lease operations show an average gold value of $12.to $15.per ton and quite frequently values of as high as $100. or more per ton in gold are obtained. All work so far has been in the oxidized zone.

While there is no machinery on the premises, there is a good camp with one new building and two older ones, suitable for the accomodation of a small mine crew; two ore bins and a tram line for ore loading that needs some repair. A mill is located on the water basin near Quartzite that could with minor repairs be made suitable for treating 25 tons of ore per day. This owned by other parties but could be secured very reasonably I am told. It would serve as a pilot plant to sample and test the mine and maintain production that would very likely pay for developments and improvements at the mine. I believe the mine has great promise of making into a large producer under an intelligent development plan and it is one of the

most promising junior gold prospects, or semi-developed properties I have encountered during the past several years in the Arizona and Southwestern field. Several thousand tons of mill ore lie on dumps.

The terms and price seem quite reasonable and in line with the evidenced value of the property, and they would permit of the mine paying its own way during development if property was well managed. No down payment asked but small monthly payments for 5 mos. followed by 6-month period payments over 3 years Bond and Option.

A record of one test run of the ore at a small mill gave: Heads $15.60, Recovery $14.15, Tails $1.25, and 20¢ unaccounted for, or about 90% recovery. This was secured by using amalgamation plates and concentrating table. Another tonnage run showed Heads $14.07 and Tails $0.70, or about 95% recovery. Still another showed heads of $14.38 and tails $1.42.

H. O. Hammond

H. O. HAMMOND.

944 North 4th Avenue,
Tucson, Arizona.
PHONE #4677.

PRICE AND TERMS ON GREAT BEAR.

Price - $45,000.00 Three Year Bond and Lease.
Examination period to March 13th, 1939.

Payment $200. each month for 5 months		$1,000.00
" end of 6th month		1,000.00
" " " 12th "		2,000.00
" " " 18th "		3,500.00
" " " 24th "		7,500.00
" " " 30th "		15,000.00
" " " 36th "		15,000.00
	TOTAL	$45,000.00

Royalty: 10% on net returns to apply on purchase payments.

The payments are arranged low at the start to make possible the paying out of development work and property account from mine production.

ED. EISENHAUER, JR.
320-322 S. San Pedro St.
Los Angeles, Calif.

ASSAY CERTIFICATE

Los Angeles Calif., Feb. 6/37

I Hearby Certify that the samples described below received from

Great Bear Mine R. R. Westfall assay as follows

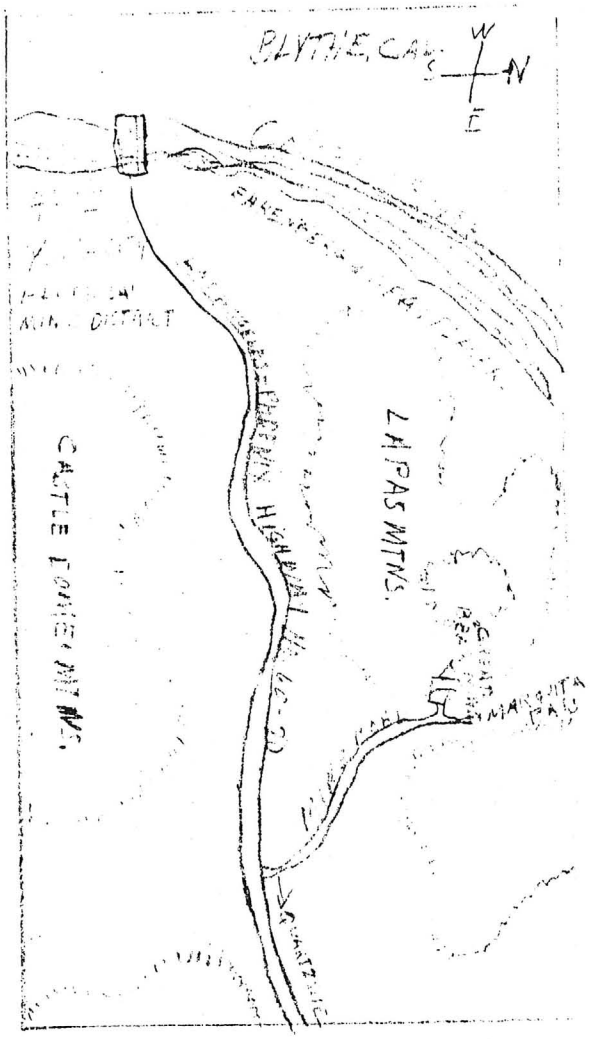
Owners Mark and Sample	Gold Ozs. per ton	Gold Value per ton	Silver Ozs. per ton	Silver Value per ton	Total Value Per Ton
Heads	.60	$14.00	.09	.07	$14.07
Tailings	.02	.70	Trace		.70

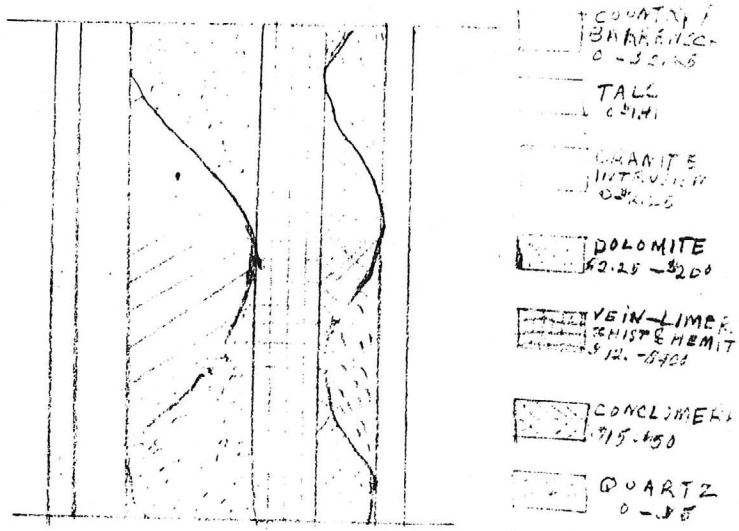
Gold $35 Per oz.
Silver $77. per oz.

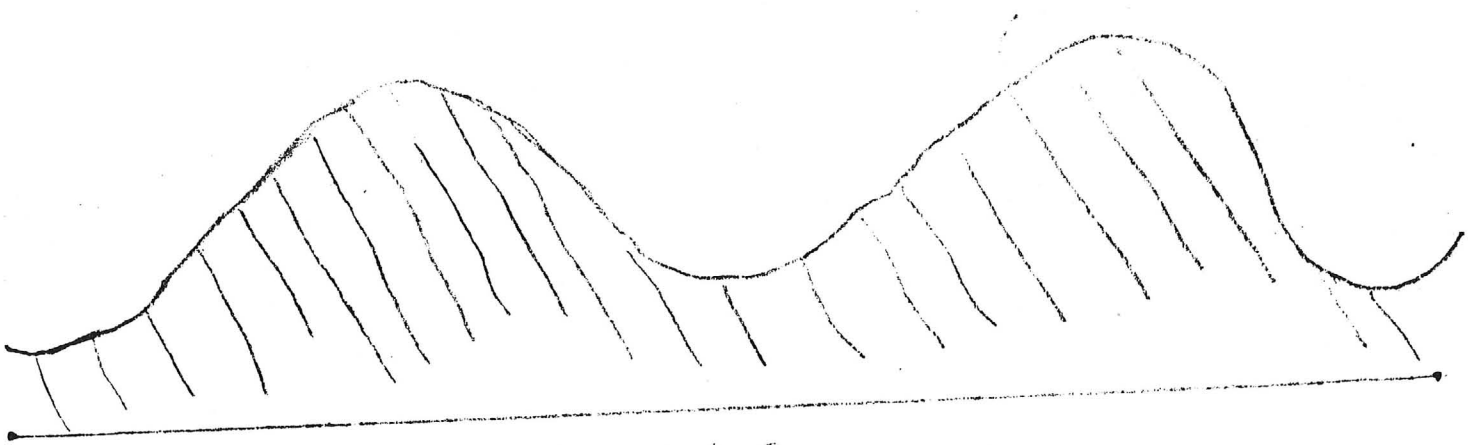
Ed. Eisenhaur, Jr.
Assayer

Assay Certificate the same form as above dated February 19, 1937

Heads-Tues	.41	$14.35	.04	.03	$14.38
Tails	.04	1.40	.03	.02	1.42
Heavy Con.- & Slimes	2.21	77.35	.08	.06	77.41


BLYTHE, CAL.
W
S
N
E
LAPAS MTNS.
CASTLE DOME MTNS.


TALC
DOLOMITE
VEIN-LIMER
CONGLOMERA
QUARTZ



Quartzite, Arizona
June 6th

Test run of ore,

Great Bear Mine and Mill....

			Gold
Average assay mill ore			$15.60 Heads
Recovery	$14.51	per ton	
Tailings assay	1.25	" "	
Unaccounted	.20		
	$15.60		

.....

Costs - Mining	$3.50	Totals per ton
Delivering Ore	.75	" " "
Milling	3.50	Maximum cost
	$7.75	

.....

Shipping Concentrates	
Charge to each ton milled	$1.00
Other deductions at smelter	1.25
	$2.25

.....

Values saved Free gold plated	$8.61
" concentrated gold as per assay	5.19
" " silver " "	.55
	$14.35

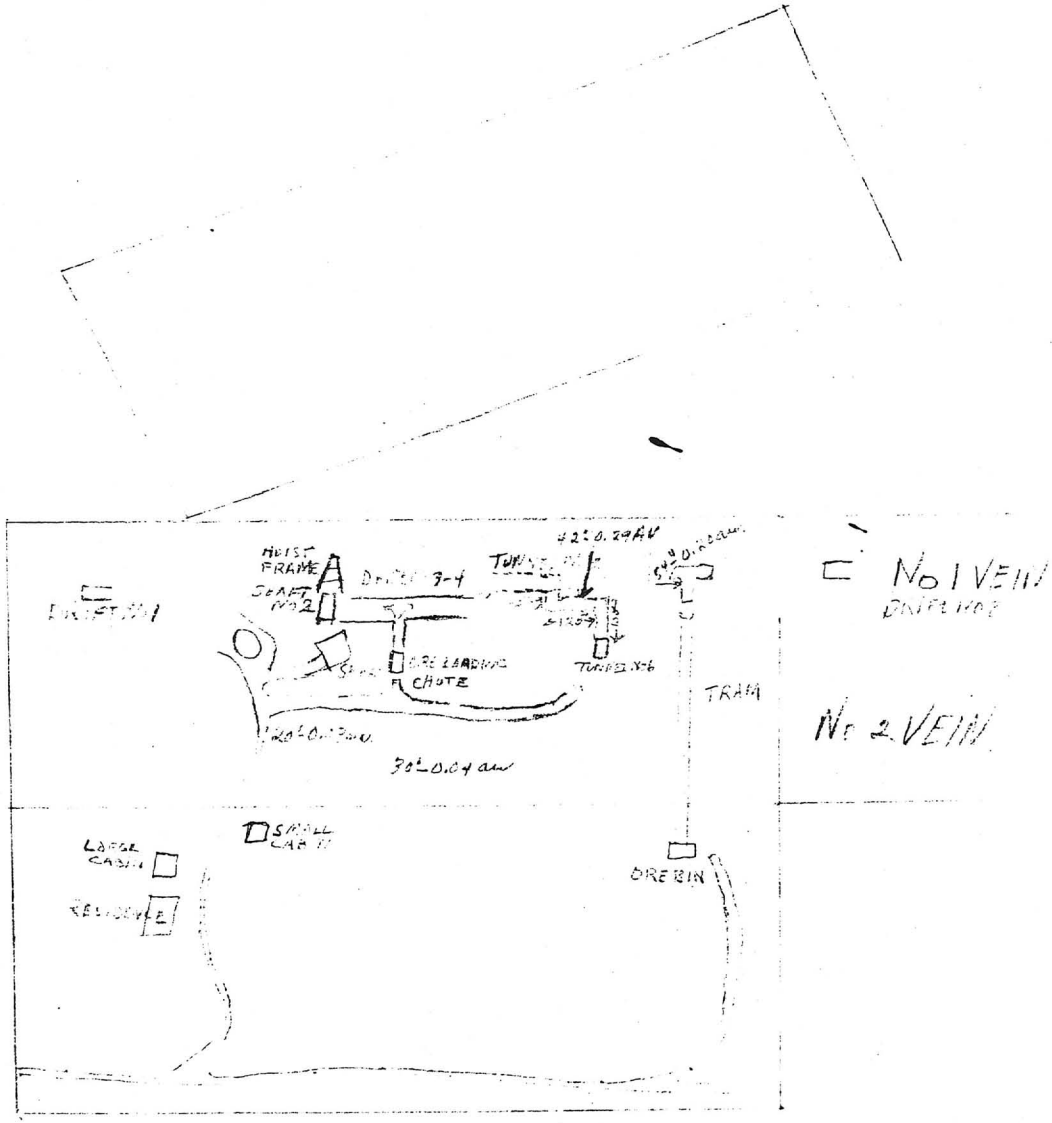
.....

Total costs, Mine, Mill etc.	$9.75
Other overhead, insurance etc.	.55
Per ton ore milled	$10.30
B. F. Westfall expense supervision	.50
	$10.80

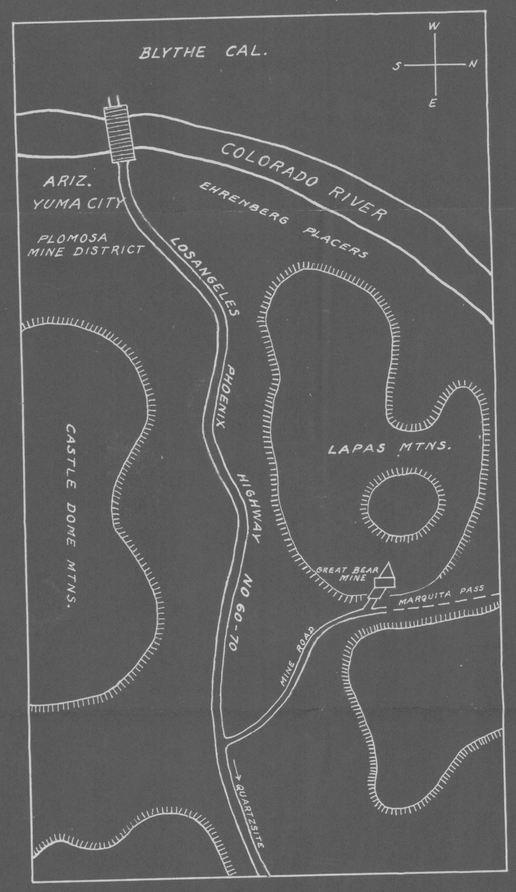
Net Profit per ton..... $3.55

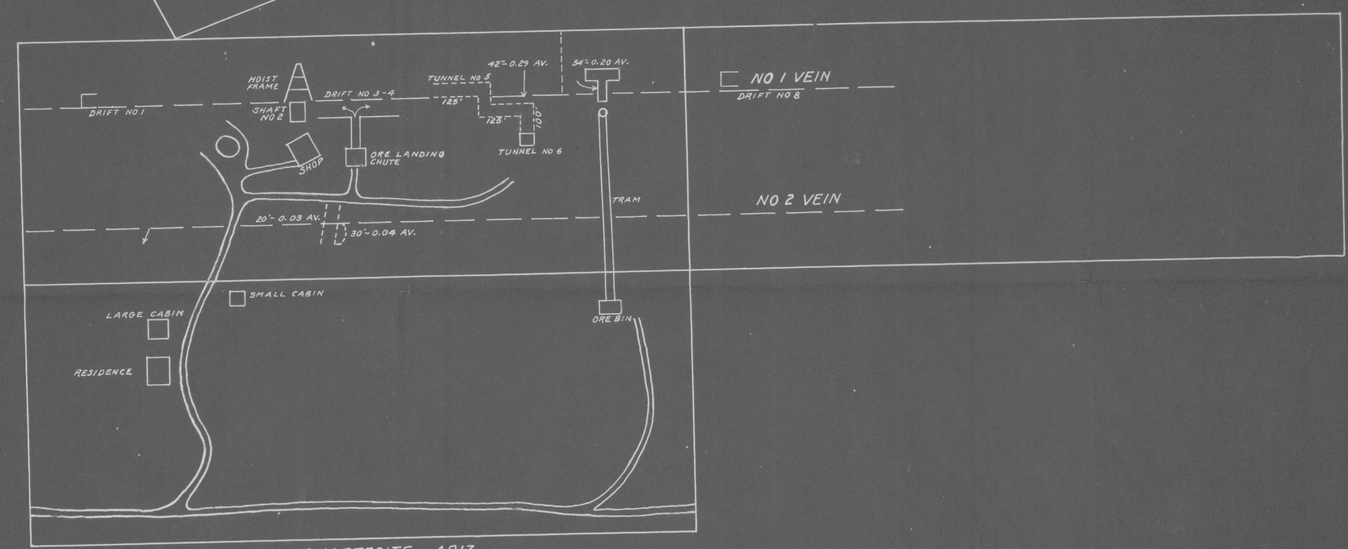
Daily 8 hours shift slowest capacity and safe estimate
50 tons 24 hours run net profit..... $177,75

The costs can be reduced at least 25% or 1/4 and net profit increased a big amount.

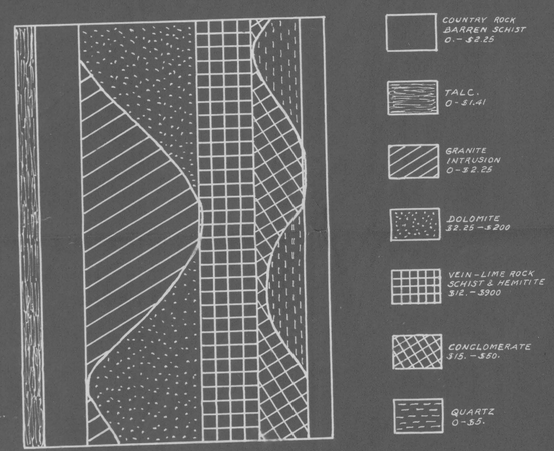


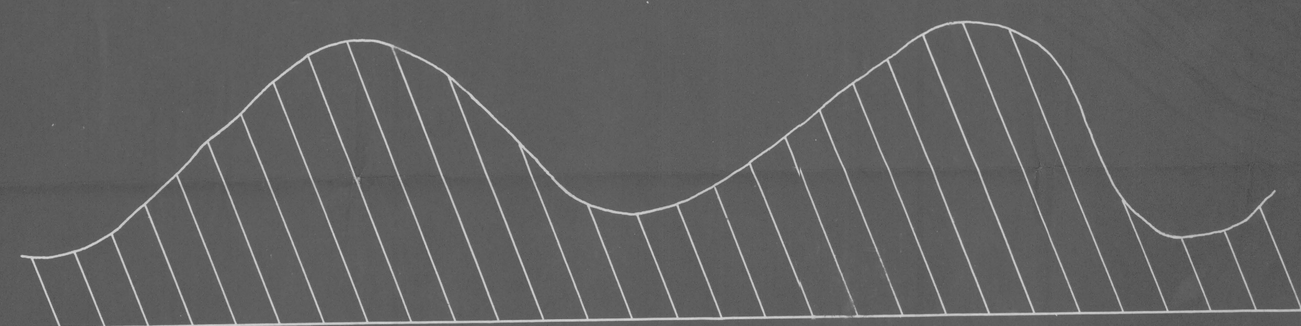
Giant Lake Mine, Smallpeice, Qu





GREAT BEAR MINE, QUARTZSITE, ARIZ.





STRATA 70° NORTHERLY
UPLIFTED SEDIMENTARY PLAIN AND VOLCANIC FLOWS