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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PRINTED: 01/31/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MARY G. MINE

ALTERNATE NAMES:
- MARY E.
- PRINCESS GROUP
- WATERMAN GROUP

PIMA COUNTY MILS NUMBER: 100

LOCATION: TOWNSHIP 20 S RANGE 10 E SECTION 21 QUARTER NE
LATITUDE: N 31DEG 40MIN 27SEC LONGITUDE: W 111DEG 18MIN 54SEC
TOPO MAP NAME: ARIVACA - 15 MIN

CURRENT STATUS: PAST PRODUCER

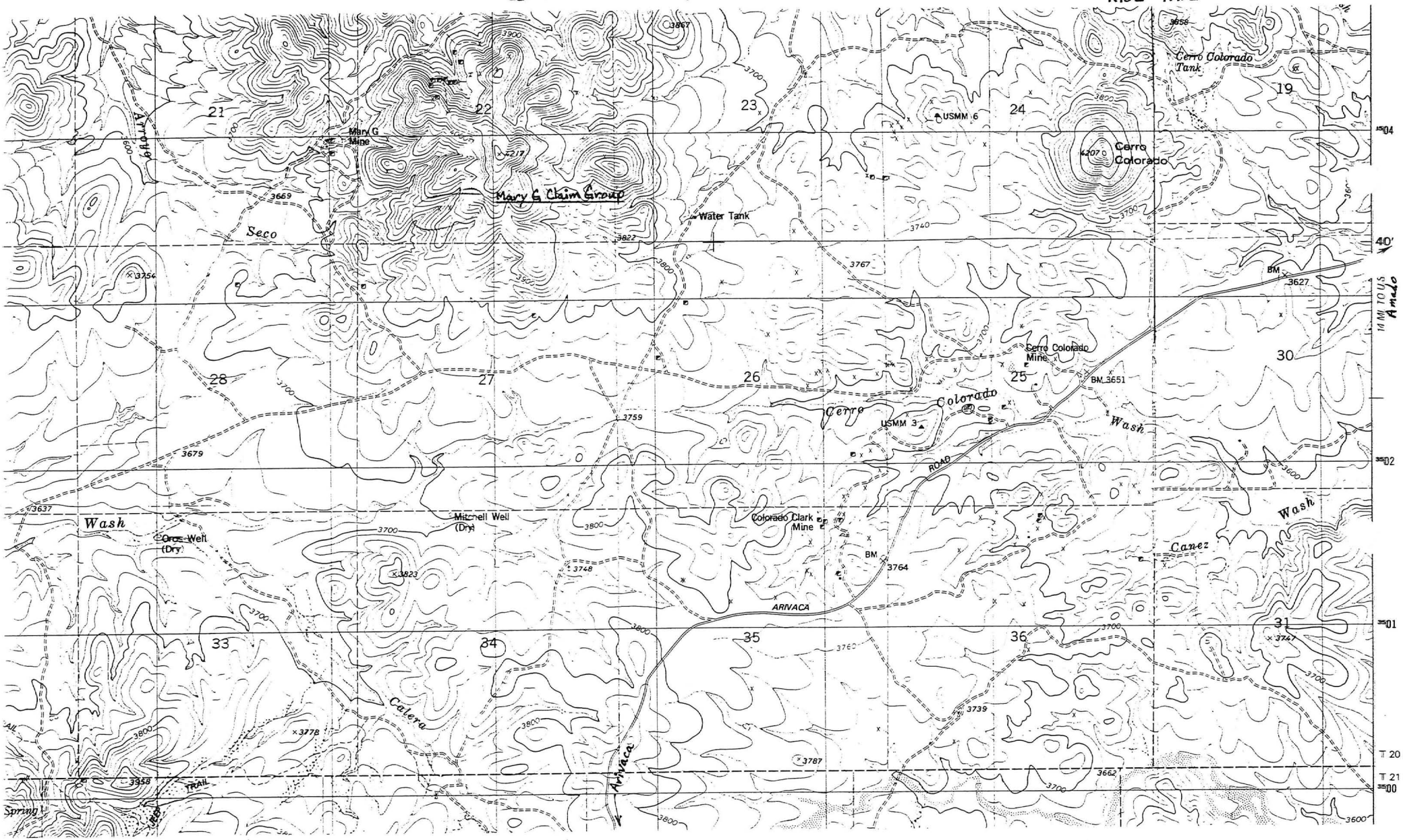
COMMODITY:
- SILVER
- LEAD SULFIDE
- COPPER
- GOLD LODE
- ZINC SULFIDE

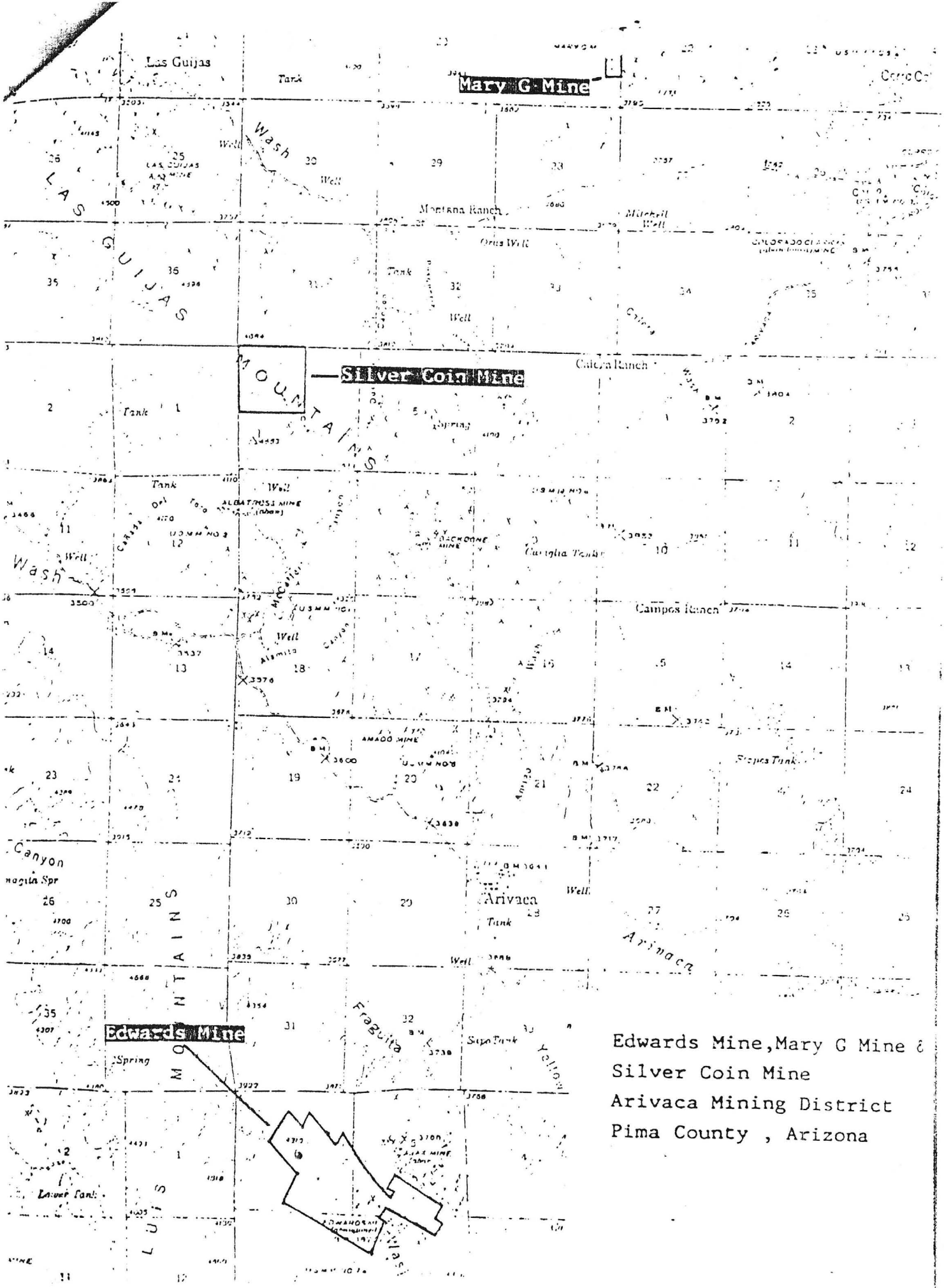
BIBLIOGRAPHY:

- S.B KEITH, AZBM BULL. 189, 1974, P. 114
- ADMMR MARY G MINE FILE
- USBM RI 5650, P. 99, 100 & 102
- GEOLOGY FILE - THESIS BY R.E. DAVIS
- ADMMR SILVER RAY FILE

Cerro Colorado 7½' Quad.

R10E R11E





Edwards Mine, Mary G Mine &
Silver Coin Mine
Arivaca Mining District
Pima County , Arizona

MARY G PIMA COUNTY

MG WR 8/2/85: Visited what I believe is the Mary G Extension mine (Pima County). This property consists of a cluster of shallow shafts and prospect pits and at least one tunnel about one half mile northeast of the original Mary G mine. Geologic environment of fractures and quartz veins in andesite appears to be similar to original Mary G. There is no activity on the property.

MG WR 8/9/85: Visited the LC site (Pima Co) with Cliff Hicks. The Battle Ax Mining Co (c) was crushing ore trucked from the Waterman area (Mary G, Pima Co). Provided Mr. Ken McLaughlin (c) with land-status information concerning the original Mary G mine (Pima Co). He informed us that he now plans to leach all the ore at the LC property; he has dropped plans to table some of the material. He is wai ting on a reply from Phelps Dodge concerning its possible interest in the Waterman area.

MG WR 10/18/85: Learned that the Battle Ax Mining Co. has transferred its equipment from the LC property (Pima County) to the Waterman shaft area (Mary G file, Pima County). The ore crushing and treating facility is being installed on the topographic saddle immediately east of the shaft.

MG WR 4/25/86: Learned indirectly that the mining operation of Battle Ax Mining Co. in the Waterman shaft area (Mary G file, Pima Co) is ceasing. Apparently Battle Ax is trying to sell its equipment.

REFERENCES:

SEE: USBM RI 5650 1960 pp-99-100, 102 Do Not Reproduce

MG WR 1/2/81: LeRoy Grant and his partner, Ron Johnson of Patagonia, sent a large ore sample to Phelps Dodge at Douglas. They hope Phelps Dodge will buy approximately 8,000 tons of ore that apparently assays up to 11 oz/ton taken from their ground (leased to them by Walter Bopp) near the MARY G. MINE (Pima Co.). I think the Bopp property is called Silver Ray (mine file,).

MG WR 1/29/82: Mr. LeRoy Grant, 227 W. Drachman, Tucson AZ 85705, reports he trucked approximately 800 tons of ore from the Mary G mine (Pima County) to the Phelps Dodge smelter at Douglas in 1981. The first 400 tons came from the mine dump, and he was paid for about 5.5 oz Ag/ton. The second 400 tons was mined from a new surface cut, and he was paid for about 1.5 oz Ag/ton.

MG WR 6/21/85: The Mary G claim group (Pima County) is owned by Mr. Henry G Worsley, P O Box 11, Amado, Arizona 85640. The Battle Ax Mining Co is attempting to mine an area of prospects in the SW¼ Sec 22, T20S R10E. An initial area reportedly 300' X 30" from 0.25 to 12.0 oz Ag/ton. It contains considerable sericite. It is to be crushed to (-) 3/8-inch and placed on a heap leach pad owned by Mr. Glynn Burkhardt at his nearby La Colorada property (Pima County_). Mr. Burkhardt is not a member of Battle Ax.

MG WR 8/2/85: Visited Waterman project on Mary G property (Pima Co). Met Mr. Ken L. McLaughlin, General Manager, Battle Ax Mining Co, 3001 W. Verona Place, Tucson, Arizona 85741, phone 742-0015. He had trucked some material to the LC site (Pima County) and was crushing, via a jaw crusher and set of rolls, to ¼-inch. Since some of the silver occurs as a sulfide, he planned to ship this ¼-inch material o the Sun Chief mill near Globe for tabling. Mr. McLaughlin reports the Waterman shaft is 180 feet deep with main drifting to the east or northeast at the 130-foot level. He has apparently drilled some 140 holes, 10-15 feet deep from the surface, using air track drill equipment. The Small Mines Division of Phelps Dodge is currently reviewing this property.

MG WR 8/2/85: Visited the original Mary G mine (Pima County). It is owned by Mr. Willis R. Dees, 7030 E. Broadway Blvd., Tucson, Arizona 85710, phone 296-1417. The north shaft appears badly caved and is filled with trash and debris. The south shaft has two compartments, with a manway, and is in poor to fair condition. Water is standing in this shaft at approximately 30 feet. There is no activity at this mine.

---

*

REFERENCES

USBM RI 5650 p. 99, 100, 102

Geology of the Mary G. Mine Area, 1955, Geology Files
(Thesis by R. E. Davis)

Silver Ray (file)

DEPARTM[redacted]AL RESOURCES

Service Report

Date May 22, 1942

Nature of Call Personal.

Place Mary G Mine, near Arivaca

Name Henry Worsley, son of owner

Address Property leased by Reading, Bledsoe and Pasqualetti of Phoenix

Subject Priorities and bonus payments

Planning on getting a car of PbCu ore out in the next two or three weeks. Have no quota. Have not applied for serial no.

Action Suggested that Worsley get in touch with Ed. Reading or Bledsoe (Phoenix Natl Bank Bldg) and apply. Also fill in ~~More~~ M.O. report.

Signed George A Ballam

Use other side if necessary

[redacted]

Date: 1-14-47 ✓

Name or Mine MARY G MINE

Location PIMA COUNTY

Operator H. G. WORSLEY

Address RUBY STAR RT. BOX 49

Metals Produced SILVER, LEAD, COPPER

Developing ☒ Shipping ☒

Financing ☐ Planning Operations Soon ☐

Idle ☐

*

NAME OF MINE: MARY G

COUNTY: PIMA
DISTRICT: CERRO COLORADO
METALS: Pb ag Au

OPERATOR AND ADDRESS: DATE:		MINE STATUS DATE:	
5/1/44	E. Turner Gen. Mgr. Box 49, Ruby Star Route Tucson, Arizona	5/1/44	Developing
		8/44	Shipping
11/44	H. G. Worsley, 319 E. 7t. Lowell, Tucson		Maintenance
10/46	Henry G. Worsley, -Arivaca Ruby Star Rt., Box 49, Tucson	10/46	Shipping

[redacted]

MARY G.

Pb, Cu, Ag

Pima 10 - 7

Alice J. Worsley, 319B E. 7t. Lowell, Tucson '45

WORSLEY, ALICE J. - (OWNER)
BLEDSOE Lessees
READING
PASQUALETTI

MINE - MARY G. MINE - 50 miles SSW of Tucson, in the southeast foothills of the Cerro Colorado Mts.

Worsley, Henry, in charge of operations

WORSLEY, Henry G. - alice J. (owner)
~~319B E. Ft. Lowell~~ Ruby Star Rt., Box 49
Tucson, Ariz.

See MARY G - re gas application 10-26-44
See MARY G - re active mine survey 1-14-47

GEOLOGIC EVALUATION
of the
WATERMAN PROJECT

Pima County, Arizona

Ray Roripaugh
Michael M. Gustin
4/13/85

CONCLUSIONS

The area of economic interest on the Waterman property is the Waterman vein system itself. Within this vein system, the area from the drainage west of the Waterman shaft to about 200 feet east of the East shaft has the highest potential.

The Waterman vein system is contained within an east-west fault zone which dips to the north at high angles. Post-mineral north-south faults offset the veins, but can provide open space channels for the deposition of supergene concentrations of silver.

At present silver prices (about $6.50/oz.) the veins, which average about 6 inches wide, must carry sufficient value to warrant mining. Although the wallrock contains low-grade silver mineralization (typically 1 to 2 opt), it only serves to dilute the vein values. Therefor, mining widths would have to be kept at a minimum. In the special case where an original high-grade hypogene ore shoot coincides with a structurally prepared supergene enrichment site, as at the Bug Hole working where a north-south fault zone intersects the Waterman vein, economic mining widths may be increased over a small area.

Based on the drilling results in the Bug Hole and sampling done to date, high-grade portions of the vein can be expected to run 50 opt silver over 6 to 12 inches. (It should be noted that perhaps less than one third of the length of the vein system in the area of highest potential outlined above can be expected to contain high-grade mineralization.) Figure 2 outlines a scenario where two 6 inch veins of this grade are mined along with 5 feet of country rock which runs a little over 1 opt silver. This gives a weighted average of 9.25 opt silver over 6 feet. Given the present price of silver and the need to truck the ore off the property to the leach pad, this value is marginal at best.

If further funds are to be spent on the property, it is recommended that they be used to expose as much of the vein as possible. Careful sampling could then better define the grade and strike length of high-grade mineralization. A rigorous analysis of the costs of production - including variables such as the feasible mining width, whether crushing the ore is necessary, the percentage of silver which

can actually be won by cyanide leaching, trucking costs, mining costs, etc. - could then be made to evaluate the economic viability of the project. Based on our brief analysis, however, we feel that the high-grade mineralization is not of sufficient width and too spotty to support mining activity at the scale envisioned by the client.

INTRODUCTION

Three days were spent in the field examining the Waterman property, located in the Cerro Colorado district in the SW 1/4 of section 22, T. 20 S., R. 10 E., Pima County, Arizona. During this time, a north-south-east-west grid with 100 foot centers was surveyed in, a geologic map of the property was prepared and a total of thirty geochemical samples, including both rock chip and dump samples, were collected and assayed for silver and gold. The results of this examination are reported below.

GEOLOGY

Rock Units: The Waterman property is underlain by Mesozoic(?) conglomerate and Tertiary porphyritic andesite flows (Plate 1). The conglomerate is poorly sorted, made up of pebble to boulder sized clasts. The largest clasts are almost exclusively angular fragments of a latitic crystal tuff which are quite often greater than one foot in diameter.

The andesite porphyry consists of plagioclase and amphibole phenocrysts in a fine grained greenish-gray matrix. Lithic fragments in the andesite are seen locally. The andesite is younger than the conglomerate.

Structure: Two predominant structural trends occur in the area: an east-west trend and a north-south to northeast-southwest trend (Plate 1). These trends occur as fault sets; no folding is recognized.

The east-west trend is best displayed by the silver-bearing Waterman vein, which occurs in a normal fault. (In this report the Waterman vein refers to the full length of the vein, not just that exposed in the workings associated with the Waterman shaft.) This

fault traverses the entire property and can easily be traced beyond the property to the east; no attempt was made to follow the fault further westward. The fault and vein strike N 80° E to east-west and dip 70° north to vertical. A conjugate fracture set striking northeast and northwest occurs in the immediate foot- and hangingwall of the fault. Other less well-defined structures of the east-west set are shown by at least two linear alteration zones in the andesite to the north of the Waterman vein.

The north-south trend consists of high angle structures which offset the earlier east-west structures. These north-south structures occur as well defined faults, as is seen in the exposure in the Bug Hole working, and as broad shear zones of closely spaced fracturing. This trend is also exhibited by north-south fracture sets which are exposed in the workings along the full length of the Waterman vein, but which do not appear to significantly offset the vein.

ALTERATION and MINERALIZATION

Two vein types are present on the Waterman property - quartz-rich veins and calcite-rich veins. These veins are spatially related to structures of the east-west set.

Quartz-rich veins are most prevalent in the Waterman vein system. Over much of its length, the vein system consists of two 6 to 12 inch quartz veins 1 to 6 feet apart. An additional quartz vein occurs 50 to 70 feet north of the main vein system in the area of the East shaft. These quartz veins occur in structures of the east-west set. Thinner quartz veins may also be present within the northeast and northwest conjugate fractures associated with the east-west fault zone. These are best developed on the immediate hangingwall of the Waterman vein.

Silver chloride and bromide minerals can be found locally within and adjacent to the quartz veins. These silver minerals are of supergene origin. Although not seen in the Waterman property, galena, tetrahedrite, pyrite ± chalcopyrite probably make up the hypogene ore assemblage, as is seen elsewhere in the Cerro Colorado district.

The Waterman vein system is enclosed within an alteration envelope which is often ten or more feet wide. In the andesite porphyry

this alteration forms a distinctive, easily recognized rock. The andesite becomes slightly to moderately silicified and iron-oxide stained, and is cut by a calcite ± quartz veinlet stockwork. This alteration style produces a pinkish-purple, resistant outcrop which is quite different than the unaltered andesite. This alteration is most prevalent in the hangingwall of the Waterman vein.

Scattered outcrops of similarly altered andesite occur one to two hundred feet north of the Waterman vein. These probably occur along at least two poorly developed structures of the east-west set. Vein material in these areas is almost exclusively calcite. Manganese oxides are often associated with these calcite veins.

Hydrothermal alteration of the conglomerate adjacent to the Waterman vein consists predominantly of pervasive silicification with an associated quartz ± chalcedony veinlet stockwork. Calcite veining is much less prevalent in the conglomerate than in the andesite.

The north-south faults offset the quartz veins, calcite veins and hydrothermally altered rock, and are clearly post-mineralization in age. They are sometimes economically important, however, in the supergene enrichment of the silver mineralization. The intersections of the north-south structures with the fault hosting the Waterman vein produce highly fractured areas which provide a plumbing system for surface waters carrying supergene silver. This can lead to increased supergene enrichment in these areas.

SAMPLING RESULTS

Prior to this examination the property was sampled by another worker, and a number of 10 foot air-track drill holes were drilled. The results from the previous work and the sampling done in this work (Plate 2) lead to the following observations and conclusions:

(i) the assays reported in the previous sampling cannot be trusted. Our sampling of the northeast back hoe trench (Fig. 1), which evaluated the most mineralized portions exposed in the cut, showed essentially no silver. The previous sampling reports silver contents "varied from 4 to 8 oz." Although some of this previous sampling in other areas is believable to us, this inconsistency places doubt as to the sampling technique, and hence the validity of the reported assays, of this work.

(ii) no significant gold occurs with the siver mineralization.

(iii) quartz veining is associated with the silver values. In areas of calcite veins and hydrothermally altered rock with little or no quartz veining, as in the altered areas north of the Waterman vein system, little silver was found. The highest assay in this region (0.45 opt Ag) was of a rare quartz vein.

(iv) the hydrothermally altered wallrock of the Waterman veins carries 1 to 2 oz. silver fairly consistantly. This is shown by both the drilling results and by our sampling (Figs. 2 and 4). Typical widths on this mineralization range from 3 to 10 feet.

(v) high-grade silver mineralization of the veins proper is spotty and difficult to evaluate quantitatively. Geologic factors important in this regard include the interplay between high-grade hypogene (primary) ore shoots of the vein and supergene (secondary) leaching and reconcentration of the silver to its present locations. In some areas, essentially complete surface leaching may 'mask' the presence of ore below. Conversely, incomplete surface leaching is demonstrated by the presence of high-grade near surface supergene silver concentrations at the Bug Hole and at sample locality #27.

(vi) high-grade silver mineralization appears to be largely restricted to veins of one foot or less in thickness.

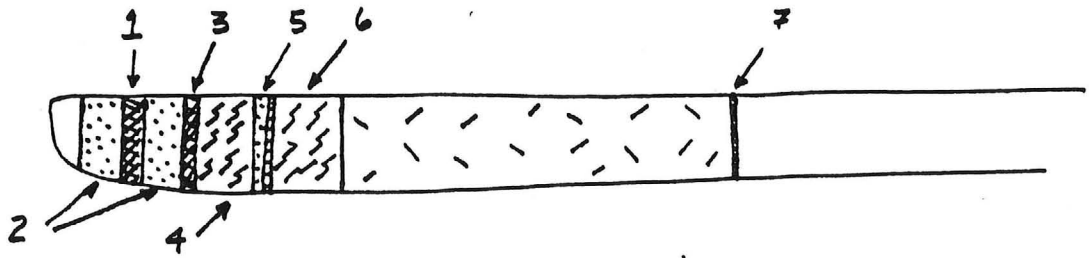
RECOMMENDATIONS

Any further work done on the Waterman property should be directed towards exposing the quartz veins of the Waterman vein system. Trenches following the trace of the vein would be the most useful and cost effective approach. As much of the vein as possible should be exposed as deep as possible, within economic restrictions. The exposed vein should then be visually examined and representative samples taken to evaluate the possibility of developmental work.

EASTERN BACKHOE TRENCH

LOOKING EAST

V. S.



CROSS SECTION

Sample #	length	Au oz/ton	Ag
1.	0.4',	0.004 /	< 0.05
2.	4.0',	0.001 /	< 0.05
3.	0.7',	0.002 /	0.05
4.	2.5',	Tr. /	< 0.05
5.	1.0',	0.001 /	0.05
6.	3.5',	0.001 /	<0.05
7.	0.5',	0.002 /	<0.05

NOTE: Ag VALUES DO NOT CHECK WITH PREVIOUS WORK. THIS trench was reported to ASSAY 4-8 ozs Ag per ton. No WAY

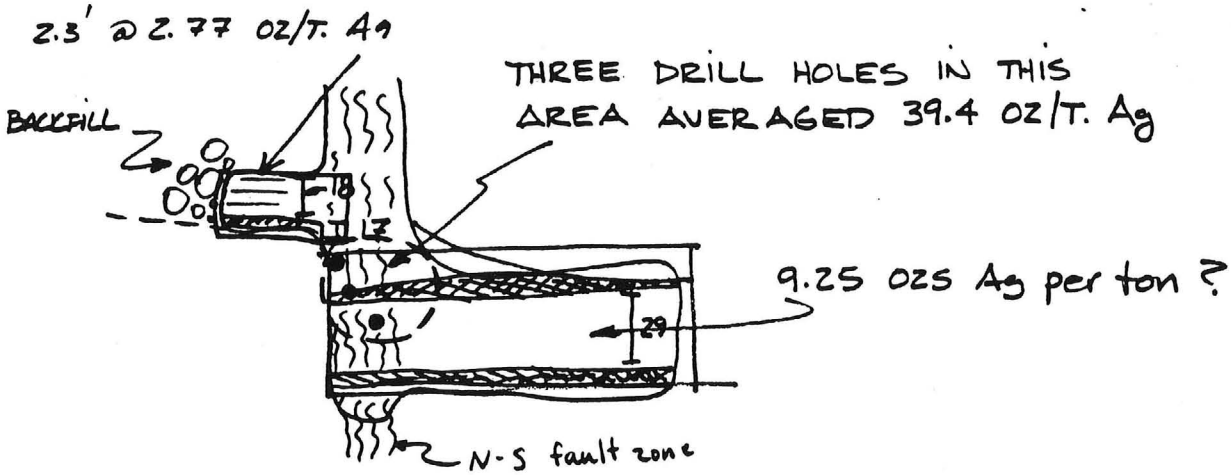
SCALE 1" = 10'

Fig. 1.

BUG HOLE LOCATION

PLAN VIEW

N



	Au	Ag
17. 0.3',	0.001 ,	1.90
18. 2.0',	Tr. ,	2.90
29. 5.0',	0.001 ,	1.10

0.3 x 1.90 = 0.57
2.0 x 2.90 = 5.80

2.3 6.37 = 2.77 oz Ag/ton

IF VEINLETS IN BUGHOLE AVERAGE 50 ozs/T. Ag,
THEN —

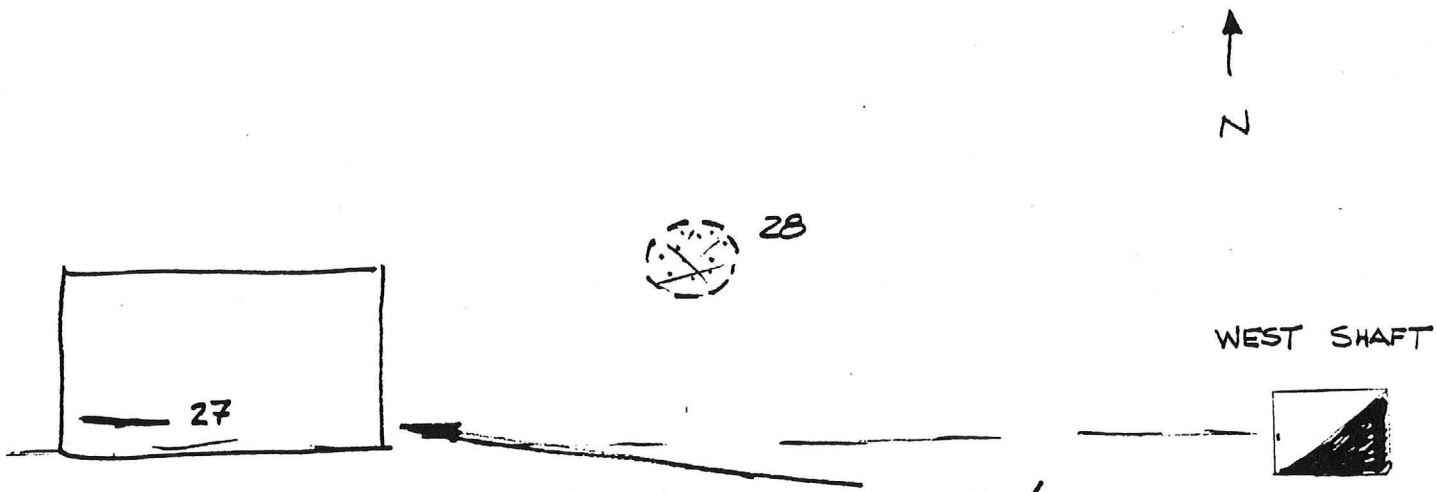
1.0' x 50 = 50
5.0' x 1.10 = 5.50

6.0' 55.50 = 6.0' @ 9.25 oz Ag per ton

SCALE 1" = 10'

Fig. 2

WEST SHAFT AREA



COULD AVERAGE 9.5 025 Ag /TON ACROSS 9.3'

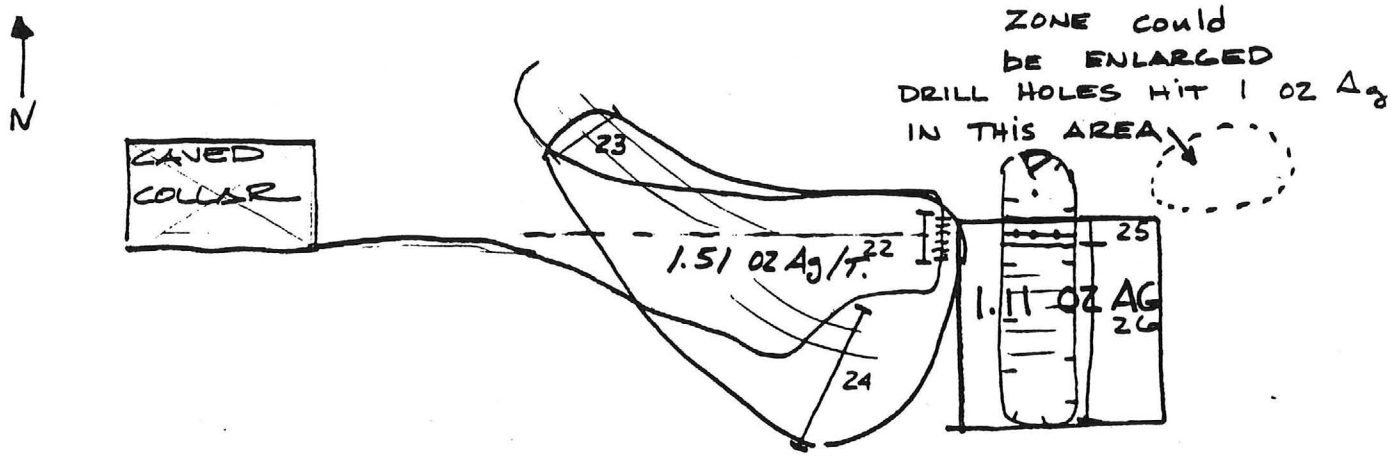
	Au	Ag
27.	0.3',	0.001, 264.40
28.	4.0',	Tr., 0.30

SCALE 1" = 10'

Fig. 3

WATERMAN - JOHNSON AREA

PLAN VIEW



		Au	Ag
22	2.0'	0.001	1.70
23	4.0'	Tr.	2.85
24	8.0'	0.001	0.80
25	1.5'	Tr.	1.45
26	9.0'	Tr.	1.05

2.0 x 1.70 = 3.40
4.0 x 2.85 = 11.40
8.0 x 0.80 = 6.40

14.0' 21.20

$\frac{14}{21.20}$ = 1.51 oz/ton Ag

1.5 x 1.45 = 2.18
9.0 x 1.05 = 9.45

10.5' 11.63

$\frac{10.5}{11.63}$ = 1.11 oz/ton Ag

SCALE 1" = 10'

Fig. 4

PROPERTY MARY G. MINE

PROJECT NO. 305

LOCATION Arivaca Mining District, Pima County, Arizona. Approximately 20 miles east of Arivaca.

ACREAGE 160 Acres

LAND STATUS Prospect Permit

OWNERSHIP Moki Minerals under lease by Charter Mining, Inc.

CURRENT ACTIVITIES Metallurgical development of dumps.

COMMODITIES Silver and lead.

RESERVES 7,000 tons of dump.

VALUE $140,000.00

COMMENTS

ZONA DEPT. OF MINES & MINERAL RESOURCES
STATE OFFICE BUILDING
416 W. CONGRESS, ROOM 161
TUCSON, ARIZONA 85701

PLAN OF OPERATION

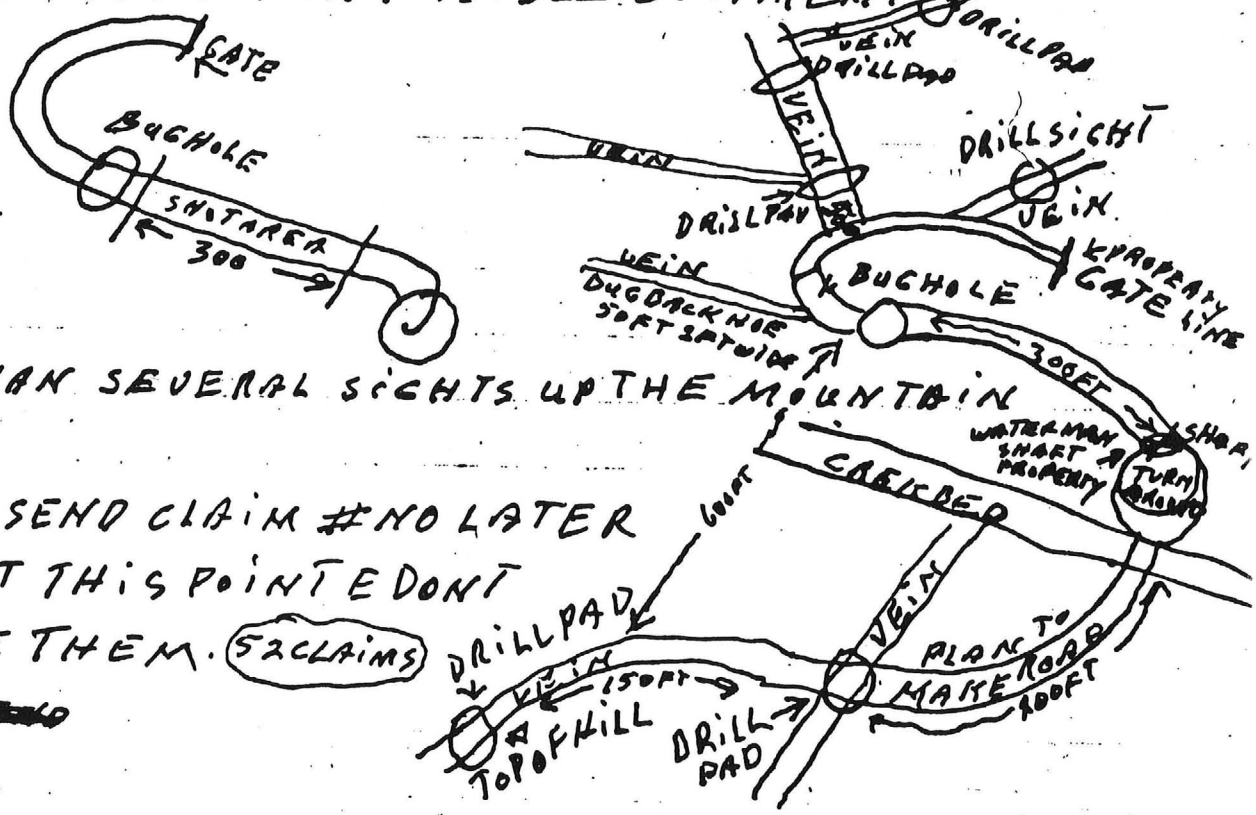
BATTLE AX MINING

TO K.L. McLAUGHLIN GENERAL MANAGER
3001 WEST VERONA PLACE
TUCSON ARIZ 85741
PH. 602-742-0015

DEAR SIRS THIS IS A MAP AND EXPLINATION OW WHAT WE INTEND TO DO

WE PLAN TO DRILL SEVERAL TEST HOLES FROM 10' TO 200' FT DEEP TO DETERMIN VALUES AND WHERE THEY LAY.

WE PLAN TO BLAST AN AREA 12FT WIDE 300FT LONG TEN FT DEEP FOR POSSIBLE SHIPMENT



WE PLAN SEVERAL SIGHTS UP THE MOUNTAIN

WILL SEND CLAIM # NO LATER AS AT THIS POINT E DONT HAVE THEM. (52 CLAIMS)

Taylor

MAL 6 MWE (A)

STATE MINE INSPECTOR

JUL 02 1985

85400800

1003780

Office of State Mine Inspector

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

RECEIVED
AUG 26 1985
DEPT. OF MINES & MINERAL RESOURCES

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303, Subsection 6 submitting this written notice to the Arizona State Mine Inspector, 705 West Wing, Capitol Building, Phoenix, Arizona 85007 of intent to ✓ start or ____ stop a mining operation.

COMPANY NAME BATTLE AX MINING CO.

CHIEF OFFICER K.L. McLAUGHLIN "HARD ROCK"

COMPANY ADDRESS 3001 WEST VERONA PLACE TUCSON 85741

COMPANY TELEPHONE NUMBER 742-0015

MINE OR PLANT NAME _____

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)

13½ MILES WEST OF AMADO ON ARIVACA HWY TURN RIGHT AT MAILBOX 58 FOR 100 YDS YOU ARE THERE

TYPE OF OPERATION LEACH PRINCIPAL PRODUCT SILVER

STARTING DATE JULY 8TH CLOSING DATE ?

DURATION OF OPERATION 5 YR'S CONSTRUCTION MINE 6 MONTHS

PERSON SENDING THIS NOTICE K.L. McLAUGHLIN

TITLE OF PERSON SENDING THIS NOTICE GEN MANAGER + CO. OWNER

DATE NOTICE SENT TO STATE MINE INSPECTOR 6-30-85

PLEASE NOTE: Any operation found operating, without having sent this notice to the Arizona State Mine Inspector, will be charged with a petty offense.

12/83

Sena

ARIZONA DEPT. OF MINES & MINERAL RESOURCES
STATE OFFICE BUILDING
416 W. CONGRESS, ROOM 161
TUCSON, ARIZONA 85701

RECEIVED
APR 22 1985

Office of State Mine Inspector

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

STATE MINE INSPECTOR
APR 11 1985

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303, we are submitting this written notice to the Arizona State Mine Inspector, 705 West Wing, Capitol Building, Phoenix, Arizona 85007 of our intent to ____ start or ____ stop a mining operation.

COMPANY NAME BATTLE AX MINING CO.

CHIEF OFFICER K. L. McLAUGHLIN

COMPANY ADDRESS 3001 WEST VERONA PLACE TUCSON

COMPANY TELEPHONE NUMBER 742-0015 - 642-3758

MINE OR PLANT NAME WATERMAN SHAFT PROPERTY

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)

12 MILES WEST OF AMADO 46 RANCH ROAD TO THE RIGHT 2½ MILES OFF OF PAVEMENT

TYPE OF OPERATION MINING PRINCIPAL PRODUCT SILVER

STARTING DATE 4-9-85 CLOSING DATE 5YR LEASE

DURATION OF OPERATION 5YRS HOPEFULLY

PERSON SENDING THIS NOTICE K. L. McLAUGHLIN

TITLE OF PERSON SENDING THIS NOTICE GENERAL MANAGER

DATE NOTICE SENT TO STATE MINE INSPECTOR 4-5-1985

PLEASE NOTE: Any operation found operating, without having sent this notice to the Arizona State Mine Inspector, will be charged with a petty offense.

MADE NOT CLOSED

12/83

Mary G Claim Group
Mary G mine file
Pima Co.

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office
Registered Assayers

PHONE 622-0813

Tucson, Arizona, 12 APRIL, 19 85

Sample Submitted by Mr. Battle Ax Mining C/o Mr. Kenny McLaughlin

Sample Marked	GOLD Ozs. per ton ore	~~GOLD Value per ton ore~~	SILVER Ozs. per ton ore	~~COPPER Per cent Wet Assay~~	~~LEAD Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
Hole Dump	0.015	~	77.80					
Hole Vein	0.002	~	1.35					

Charges $ 18.00

Very respectfully,

1435 S. 10th AVE.

Jacobs Assay Office

Registered Assayers

PHONE 622-0813

Certificate No.....

TUCSON, ARIZONA 85713 12 April 1985

Sample Submitted By Mr. Battle Ax Mining C/o MR. Kenny McLaughlin

SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore~~ $	SILVER Ozs. per ton ore	LEAD ~~Per cent Wet Assay~~	COPPER ~~Per cent Wet Assay~~	~~Per cent Wet Assay~~	~~Per cent Wet Assay~~
MG-1	0.004		< 0.05				
2	0.001		< 0.05				
3	0.002		0.05				
4	TRACE		< 0.05				
5	0.001		0.05				
6	0.001		< 0.05				
7	0.002		0.05				
8	0.006		0.45				
9	TRACE		0.20				
10	TRACE		1.50				
11	0.001		2.05				
12	TRACE		< 0.05				
13	0.001		1.80				
14	0.001		0.90				
15	0.001		0.70				
16	0.001		15.40				
17	0.001		1.90				
18	TRACE		2.90				
19	TRACE		1.80				
20	TRACE		1.30				
21	TRACE		0.35				
22	0.001		1.70				
23	TRACE		2.85				
24	0.001		0.80				
25	TRACE		1.45				
26	TRACE		1.05				
27	0.001		264.40				
28	TRACE		0.30				
29	0.001		1.10				
30	TRACE		< 0.05				

Very respectfully,

Charges $ 270.00

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Sec 21 T20S R1

Mine Mary G. Mine Date Dec. 4, 1951

District Cerro Colorado Engineer Axel L. Johnson

Subject: News Item --Source of Information-- Dan Chester and personal visit

Location 9 miles north of Arivaca, then 1 1/2 miles west.

~~**Owners**~~ J. G. Millitello, Tucson, Ariz. -----56 %
Operators Dan Chester, Tucson, Ariz. ----------30 %
Larry DeAntonio, Tucson, Ariz. ------14 %
Have option to purchase for either $10,000 cash, or $25,000 in royalties (10 % Royalty on ore shipped)

Operators Same as above

Officers Dan Chester, Foreman

Metals Present Silver

Men Employed Four men working, foreman and 3 men sinking shaft.

Production Rate No ore production. Ore not encountered this far.

Milling Facilities None. Ore will have to be shipped to smelter.

Ore Values Reported to be rich in silver between the 136 and the 186 ft. level.

Old Workings Considerable old workings. Has an old shaft 200 ft. deep which is badly caved and in need of repairs. Also has an old shaft 130 ft. deep entirely caved in. Has several old drifts on the 136 ft/ and the 186 ft. levels.

Past Production Is reported to have considerable past production. Definite information not available.

Present Operations Sinking a 6' x 9' Vertical Shaft. Down to depth of 100 ft.now. New shaft was sunk instead of repairing the old shaft, so as to provide a second outlet and better ventilation when the old shaft is later repaired.

Proposed Work Plan to continue the new shaft to the 200 ft. level. After that to drift on the 136 and 186' levels to get into the unmined portions of the ore body for mining operations.

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*

Visited Mary G Mine no one around. Owner H. Worsley at work.
GWI WR 11/11/67

ISBM RI 5650 p. 99, 100, 102

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 6/10/45

Name of Mine Henry B. Wrasley

Owner or Operator

Address 3913 E. Ft. Lowell Rd Tucson

Mine Location Sierra Colorado Mng dist.

Filing Information

File System

File No.

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production ; Development ; Financing ; Sale of mine ;

Experimental (sampling) ; Owner's occasional trip ;

Other (specify) Maintenance

PRODUCTION: Past and Future.

	Tons
Approx. tons last 3 months	
Approx. present rate per 3 months	
Anticipated rate next 3 months	
If in distant future check (X) here	

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per ~~Month~~ q-tr
Personal Cars			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors			144
Other Mine or Mill Eqpt. Hoist			30
Pump & Blower			96
			270

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead

REMARKS:

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By George A Ballard

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 2/23/45

Name of Mine Mary G

Owner or Operator Harry G Strachan

Address 3193 East 27th Ave Rd Denver

Mine Location 4 mi west Kerr Colorado

Filing Information

File System

File No.

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production ; Development ✓ ; Financing ; Sale of mine ;

Experimental (sampling) ; Owner's occasional trip ✓ ;

Other (specify)

PRODUCTION: Past and Future.

	Tons
Approx. tons last 3 months	
Approx. present rate per 3 months	
Anticipated rate next 3 months	
If in distant future check (X) here	

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors	Ford A		
Other Mine or Mill Eqpt.	Fairmont		48
Blower	Ke Ko		16
Pump			16

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals. Maintenance - Lead Silver 80

REMARKS:

*

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 10-26-44

Name of Mine Mary G.

Owner or Operator Henry G. Worsley

Address 319 B E Ft Lowell Tucson

Mine Location Cerro Colorado

Filing Information

File System

File No.

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production ; Development ; Financing ; Sale of mine ;

Experimental (sampling) ; Owner's occasional trip ;

Other (specify)

PRODUCTION: Past and Future.

	Tons
Approx. tons last 3 months	
Approx. present rate per 3 months	
Anticipated rate next 3 months	
If in distant future check (X) here	

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors	Ford Engine		48
Blower — Other Mine or Mill Eqpt.	Int "		16
Pump	Le Roy		20
			84

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:

* This mine property of Henry G Worsley & mother was abandoned rather abruptly by a California lessee. In order to protect this property some maintenance work is necessary for several days per month as indicated.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By [signature]

MARY G MINE
CERRO COLORADO DISTRICT
Near Arivaca, Pima Co., Arizona

SUMMARY OF SHIPMENTS AS TAKEN FROM SETTLEMENT SHEETS

Shipped to Phelps Dodge Corp., Douglas, by J.S. Ayres

		Oz./ton		Per cent:				Net #
Date	Tons	Gold	Silver	Lead	Copper	Ins.	Fe	Proceeds
3/28/29	26.0	--	112.0	--	1.0	69	2.8	$1410.96
6/19/29	29.2	.03	144.		1.5	65	2.0	1990.14
8/17/29	31.4		89.4		.93	71	2.9	1236.45
8/30/29	36.3		67.2		.88	73	2.4	1007.64
9/16/29	35.0		66.		.7	74	2.4	953.83
	157.9							$6599.02

Shipped to A.S.&.R.Co., Hayden, by J.S. Ayres

5/1/29	30.19		77.7		.9			1070.36
5/24/29	25.61		79		.9			874.13
11/27/29	33.53		55.5		.58			710.71
12/23/29	27.31		47.4		.57			478.47
	116.64							$3133.67

Shipped to A.S.&.R.Co., Hayden, by Virgil Bledsoe, Lessee

							Al203	
11/7/40	5.	.05	335.3	9.2	3.32	61	7.8	832.69 (Trucke
11/16/42	24.	.005	16.3			74	10.5	85.63
	29							918.32

Shipped to El Paso Smelting Works by Virgil Bledsoe

8/11/42	38.2	.01	50.8	1.2	.55	76	7.9	1008.89

Shipped to Hugo Miller, Nogales (Trucked to Nogales)

6/20/42	0.26	.05	436	19.5	3.4			57.08
6/27/42	.25	.06	456	20.5	7.8			61.65
7/3/42	.17	.05	402	23.5	3.4			32.70
7/18/42	.26	.05	304	10.2	2.1			38.50
7/25/42	.21	.05	562	7.0	5.1			58.30
8/1/42	.31	.04	578	7.0	5.2			91.00
8/7/42	.23	.06	555	9.5	6.2			65.88
8/15/42	.22	.04	514	11.5	5.8			58.80
8/22/42	.27	.05	405	11.5	4.2			56.40
	2.17							$520.31

Shipped to El Paso Smelting Works by Ayres-Herron & Williams

* Feb.1929	29.0	.02	98	4.8	.98	70		

#Net Proceeds--Net paid shipper after deducting freight and smelting charge; on lots delivered by truck, net after treatment charges.

Tucson, Arizona
October 11, 1943

BRENT N. RICKARD

SURVEY OF OPERATING MINES

By: George A. Ballam

June 1, 1942

MARY G. MINE

Owned by Alice J. Worsley; leased by Bledsoe, Reading and Pasqualetti of Phoenix, Arizona. Henry Worsley, son of the owner, is in charge of operations. The address is Ruby Star Route, Box 21.

Located in the Southeast foothills of the Cerro Colorado mountains, 50 miles SSW of Tucson. The history of this property dates back to early Spanish days in Arizona. More recently, it was worked in 1893, and again in 1929 when a production of $40,000 in lead silver values was reported by Goodsell and Ayres. There has been no production since, with the exception of two small shipments of about five tons each to the Hayden smelter during the past eight months.

The values consist of from 6 to 8% copper, 12 to 18% lead, together with over 500 oz. silver. The present lessees are preparing to get out a car of ore. The difficulty seems to be one of finances for development or production, as the manager has been taking out small amounts of high-grade silver, selling to Miller in Nogales, to pay current expenses.

There is a 190' vertical shaft on the property with about 150' of drift at that level. An upper level of old workings is completely caved. The vein, about two feet wide, carries three small stringers of argentite associated with the galena.

Equipment is poor. Ford engines are used for hoist and compressor. Only three men are working at present. There is a good road within two miles of the mine, the remainder being a new road and quite rough.

No application had been made for a serial number or zero data. The necessary information to secure these was furnished.

George A. Ballam

George A. Ballam

T20S R10E

NO. 1

NO. 2

NO. 3

NO. 4

MARY G EXT.

MARY G

NO. 5

NO. 6

NO. 7

NO. 8

NO. 9

4

21

22

MARY G CLAIMS
PIMA CO. ARIZ.
CERRO COLORADO MNG. DIST.
SCALE 1"= 400'