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06/24/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BEN LOMAND MINES

ALTERNATE NAMES:

MCKAY
COLLINS GROUP
DOROTHY
DOANE

PIMA COUNTY MILS NUMBER: 250

LOCATION: TOWNSHIP 16 S RANGE 2 E SECTION 12 QUARTER SW
LATITUDE: N 32DEG 02MIN 55SEC LONGITUDE: W 112DEG 08MIN 08SEC
TOPO MAP NAME: QUIJOTOA MTS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD LODE
SILVER OXIDE
LEAD OXIDE
COPPER OXIDE
ZINC OXIDE

BIBLIOGRAPHY:

AZBM BULL. 189, P. 139
ADMMR BEN LOMOND MINES

Collins

NAME OF MINE: **DOROTHY Doane**
OWNER:

COUNTY: Pima
DISTRICT:
METALS: Pb

OPERATOR AND ADDRESS		MINE STATUS	
Date:		Date:	
12/44	Harry Loizeaux, Oracle L. N. Rahn, Congress	12/44	Developing
4/45		7/45	Idle

COLLINS

Pb, Au

Pima 10 - 2 T 15 S, R 3 E

B. Collins, 100 E. Harrison, Phoenix '43

COLLINS, Burrel
100 E. Harrison
Phoenix, Ariz.

5-26-43

See C file - re settlement sheet
See COLLINS MINE - Re Field Eng. Rept.

12-17-43

NAME OF MINE: COLLINS

S

COUNTY: PIMA
DISTRICT: QUIJOTOA
METALS: - PB

OPERATOR AND ADDRESS:

MINE STATUS

DATE:

DATE:

5/1/44 Burrel Collins,
2305 N. Central Ave.-Phx 5/1/44 Closed

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COLLINS GROUP

PIMA COUNTY

Office call. Messrs. Paul Butler & Raymond LeRoy, 1105 N. Colcord, Payson, P. O. Box 468, 474-2406, regarding the Burrel Collins Mines near Nevis Mt. Mr. Collins had owned the mines, Butler & LeRoy had inherited same. As they are on the Papago Reservation, they were advised to talk to the Papago representative; where to see him and how to approach the subject. GWI WR 8/21/72

Minerology of Arizona p. 21

MG WR 2/7/86: Mr. Don Anderson, consulting mining engineer, reports that although the Ben Lomand mine proper in Pima Co. was not particularly interesting to him, he did believe that an oxidized/silicified zone north of the mine may have potential. This zone, approximately 2,000 to 3,000 feet long and up to 100 feet wide, occurs about 1/2 mile north, on strike, from the Ben Lomand.

STATUS OF DORMANT MINES

MINE NAME: Ben Lommond

LOCATION: 15 miles of Sells, Pima Co. , Arizona

OWNER AND/OR LEASEE: Picacho Mines, Inc.

ADDRESS: Sells, Arizona

APPROXIMATE PRODUCTION (Year of 1945): None

COPPER _____ Lbs. LEAD _____ Lbs.

ZINC _____ Lbs. (OTHER) _____

CHECK THE CHIEF CAUSE OF YOUR DISCONTINUED PRODUCTION:

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

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

Copper at $22\frac{1}{2}\text{¢}$ plus 5¢ premium..... 1,000,000 Lbs.
 Copper at $22\frac{1}{2}\text{¢}$ plus 10¢ premium..... 1,500,000 Lbs.

The mine is in process of examination and development
for the determination of the above. Data so far obtained
is favorable but incomplete.

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

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

At present and from available data: YES

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

At present price of lead

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

Depends on definition of "quick" drilling program.

Would require not less than six holes of 100 to 500 feet.

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

We have our own drilling outfit. A loan for development
may be considered but has not been discussed by the
company.

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

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

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

Please discuss the above: We would welcome examination by government engineers and a program of development discussed there after.

SUGGESTIONS:

That government engineers make a preliminary examination of the
property and a program of development and exploitation be discussed.

DATE Aug 4, 1950

SIGNATURE M. W. Redhead
Superintendent for Picacho Mines, Inc

December 27, 1943

MEMORANDUM

COLLINS MINE

TO: George A. Ballam

FROM: J. S. Coupal

I am making copies of your report and am sending them to Burrell Collins along with the bill to Jacobs and asking him to remit direct to Jacobs.

I will see Collins and will undoubtedly arrange for a trip to the property myself sometime in the near future.

Thanks for your confidential memo which will be kept confidential.

J :LP

December 27, 1943

Mr. Burrel Collins
100 East Harrison
Phoenix, Arizona

Dear Burrel:

I am enclosing a copy of report by George Ballam on his preliminary examination of your property which contains a description of the three samples taken.

I am also enclosing the assay certificate on these samples from E. A. Jacobs and in order not to complicate our records I am leaving it up to you to pay for these assays direct, the charges being \$6.00. Evidently from Ballam's work the values in gold and in lead did not run as high as I expected they would. This may be outside of the higher grade stringers.

I hope we can get chance to go down and look it over together sometime as soon as your work eases up.

Yours very truly,

J. S. Coupal, Director

JSC:LP
Enc.

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date Nov 9 - 1944
 Name of Mine Doane Lead
 Owner or Operator Louis N. Rahn
 Address Luh's Hotel
 Mine Location 90 miles S.W. of Tucson in Guizgato Range

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 600 tons mined ready to ship
 Anticipated rate next 3 months 1500 per month
 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	<u>1150</u>	<u>4500</u>	_____
Light or Service Trucks	_____	_____	_____
Ore Hauling Trucks	_____	_____	_____
Compressors	_____	_____	_____
Other Mine or Mill Eqpt.	_____	_____	_____

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:
This operator appears to have a very worthwhile operation and I approve the application for gasoline

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By A. C. Heber
Field Engineer

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date.....
 Name of Mine.....
 Owner or Operator.....
 Address.....
 Mine Location.....

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	37	500	500
Light or Service Trucks			
Ore Hauling Trucks			
Compressors			
Other Mine or Mill Eqpt.			

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:

.....

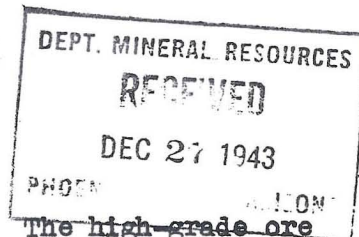
By.....

Dec. 24, 1943

MEMORANDUM

Collins mine
(Quijotoas)

To: Director, Dept. Mineral Resources
From: George A. Ballam



C O N F I D E N T I A L

I cannot get very excited about this thing. The high-grade ore exhibited and assayed by Mr. Simpkins is from the numerous rich stringers which after all do not make a mine. The only ore I saw which might be of marketable grade was in the lower workings where galena is showing up. This might be classed as twenty dollar ore if it holds up and would be excellent milling ore. Aside from that, with an 80 mile haul to Tucson, nearest shipping point, you can readily see that a mill would be necessary to get anywhere. There is undoubtedly water in the valley a few miles east of the property.

As far as the carbonates are concerned, they will probably not mine over 15% and I can't see where anyone would go from there.

Of course I made a very sketchy examination, and the property is spread over quite a bit of landscape. It may be that a closer examination, and an investigation of some rather interesting geology might indicate that further development would uncover an extensive deposit of galena in the lower workings. I could only see what I saw, and there was nothing spectacular.

These boys are awfully touchy, especially Simpkins, so please don't intimate that yours truly didn't go into ecstasies about their baby.

Geo.

Please have Ballam take care of this assay. I told Jacobs he would & thus save making out a voucher through the Dept.

NOTES AND COMMENTS ON THE BALLAM EXAMINATION AND
REPORT ON THE LOWDHAM AND ADJOINING CLAIMS IN THE
QUIJOTOA MINING DISTRICT, PIMA COUNTY, ARIZONA

Regarding Mr. Ballam, I have this to say: he is one of the finest men personally that ever crossed my path.

Professionally, I have no doubt as to his ability, his absolute fairness and qualifications. My one regret is that his visit was of such short duration. Also that only three samples were taken.

Sample No. 1 was from the face of the Lowdham cross cut tunnel. It gave a return of only traces in gold and lead. This, while disappointing, did not surprise me. The ore was thoroughly leached and very different from that found in the face when Mr. Dunning and Mr. Sweeny looked at it. On that occasion it would run about 8% lead and four dollars in gold.

From the Lowdham claim we jumped a mile and a half to the south end of the property to a claim known as the Doane. The elevation of the Doane is 2300 feet above sea level. It is the lowest point at which any development has been undertaken on the series of veins which descend from Ben Lomond Peak. By reference to the accompanying diagram it will be observed that these veins, some having a northwest and southeasterly course and others an easterly and westerly strike all converge at this Doane focal point and become one strong well defined ore body. How many of these veins there are is difficult to determine because of the detritus but it is safe to say that there are at least a dozen and probably many more. They vary in width from two to three feet wide and upwards; in some instances being fifteen feet wide in places. They all without exception contain lead ores with gold values. Generally speaking the lead is in the form of carbonates and sulphates with here and there a sprinkling of galena. It cannot be said of them that they are always in pay ore but the percentage of pay ore between the walls is of greater extent than the barren spots.

The apex of the veins is at an elevation of approximately 3100 feet above sea level, at the foot of the escarpment is 3490 above sea level. The country rock is andesite and monzonite. The ore is highly silicious, in places quartz, hematite breccia, in other places straight quartz of a creamy color, and nowhere glassy white or bull quartz. For considerable stretches of the veins carbonate of lead is strongly in evidence, frequently assaying 45% lead and some gold. The gold values vary from \$1.50 to \$7 per ton. With one exception no higher gold values obtain and there is no definite rationas to its occurrence.

The above remarks apply only to the upper portions of the veins where the carbonates and sulphates predominate. Where the sulphide of lead appears in massive form for the first time at the junction of all of them on the Doane claim at an elevation of 2300 feet above sea level. Gold values varying from \$10.00 to the ton up to \$100 per ton are not exceptional but are the rule. It occurs in contiguous stretches of monzonite. The lead in the monzonite always showing the highest values by a wide margin. At times the breccia does not run so well in gold, but on the monzonite the case is different; the gold values are invariably good.

It was at this level, the most advantageous place to take a sample that Mr. Ballam took his on the face of a tunnel 50 feet from the portal. He took it to Jacobs Assay office for determination. He could have taken it to no better place. The result was as follows: The tunnel was driven on breccia, the sample was from a face, so the certificate says, five feet wide in that material. To be exact the data on the certificate is copies:

Serial No.	Gold	Lead
106.344	\$2.10	17.2%

Value of the gold plus the lead value we have a total of \$24.56.

It is only fair to state here that the sampling was fairly done. Mr. Ballam got a result of \$24.56. My own test made in Denver by the Colorado Assaying Co. gave a return of \$23.40 per ton.

Now Mr. Ballam's result was far from negative. \$24.00 or \$25.00 values constitute good milling ore in most places, and that sample only constituted a small portion of a body of uniform character. Much the same in lead all through the tunnel. Adjoining it is a solid wall of monzonite, too hard to break with a prospector's pick. It is from that material the lead specimens on your table were selected. That ore I consider the permanent ore of the mine. It is taken from a level where all the veins on Ben Lomond Peak come together. It will be noted that I used the word selected. All the monzonite is not that good, hence those pieces of ore are not described as samples. From the cullings of broken rock, the overlooked pieces of high grade that was shipped in the middle 90's when gold was \$20 per oz. and lead very low on value that returned \$105 per ton I am putting together another shipment. It is safe to wager that what I have so far got together will assay better than \$80 per ton in lead and gold.

I will attempt to make two classifications, one of \$80 and better, the other of \$35 and better. It would then be optional as to mixing them or selling them separately. In either instance they will give an absolute proof of the statement that at the junction of a dozen veins a body of ore can be opened up that even the most obtuse critic cannot deny. For it is an axiom that where two ore bodies come together a large deposit of good grade material will result. Why then should not it be true that when a dozen meet the same axiom would not be accepted as quite within the bounds of reason?

The foregoing notes and comments have been written at intervals since Mr. Ballam's visit. I do not remember his departure. By that time my fever was high and I was feeling the delirium coming back. If I rambled in my speech or raved in any manner I now express my regret. Mr. Ballam was very kind and insisted that I should not further over tax my strength. During the last few days my accustomed vigor has come back and I feel able this morning to walk to Curnahans as important dates cannot be ignored. Before starting I am putting this half-way report in an envelope so that it can reach you without loss of time. The only risk I run is a return of fever and delirium.

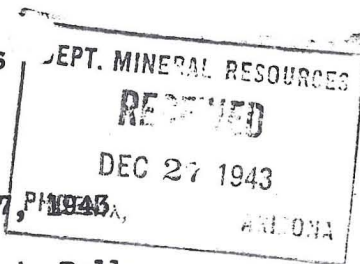
If by any means I fail to arrive at Curnahans I don't know what you will think. I do expect to get there though, with a small margin to spare.

With kindest regards, I am

Sincerely yours

/s/A. C. Simkins

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Collins

Date Dec. 17, 1943

District Quijotoa (Pima Co.)

Engineer George A. Ballam

Subject: Preliminary examination

The Collins group consists of the Lowdham of 3 claims and the Dorothy of 3 claims, the latter formerly known as the Ben Lomond. They are situated in the east flank of the Quijotoa Mts. some 16 miles west of Carnahan's Trading Post and about 27 miles by road northwest of Sells. A good desert road leads from the Ajo highway at Carnahan's to the property.

All workings are in a shear zone striking northwest by southeast lying between the rhyolite rib of the mountain on the west and a quartz monzonite on the east. The brecciated ore zone composed of rhyolite, andesite and monzonite brecciated material is cut in all directions by stringers of lead minerals, carbonates in the upper horizons and sulfide showing in the lowest workings. This cerrusite and galena carries varying amounts of gold intimately associated with it, and is stained throughout with copper minerals. The gold does not occur in free-milling form and all attempts to leach in the past have failed.

The upper or Lowdham claims are developed by a tunnel running about eighty feet westerly. There are enriched stringers throughout. A sample cut six feet in the breast assayed Au 0.01 oz. and Pb 0.2%. Sample #1.

About one mile to the southeast are the old Ben Lomond workings. Above an old millsite where a 200 ton mill had been erected to cyanide this ore, there are two tunnels. The lower tunnel has been driven in a similar formation to the Lowdham, some 175 feet. The best showing appeared to be about 100 feet in from the portal. This was sampled four feet across the roof and assayed as follows: Au 0.02 oz, Pb 1.9%. Here again the mineral was carbonate. The upper tunnel, with considerably more development, was not sampled. It was in the same formation.

Sample #2 was taken from what is known as the Doane tunnel in the lower workings of the Dorothy or Ben Lomond. Here some open cuts have been made, and two tunnels, one 50 feet northwesterly on a showing of galena. A five-foot cut across the breast ran Au 0.06 oz. Pb 17.2%. There was considerable galena here and several tons had been sorted on the dump which is reported to run 50% lead.

There has been no water developed on the property, but the older operations had planned on bringing in water some four miles from the valley to the east, where water has been developed. Since any proposed operation would be dependent on local concentration of this ore, location of the mill will be of primary consideration.

The claims, unpatented, are held by Burrell Collins of Phoenix.