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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLACKBIRD MINE

ALTERNATE NAMES:

COYOTE MANGANESE  
GEER MINE

PIMA COUNTY MILS NUMBER: 589

LOCATION: TOWNSHIP 16 S RANGE 7 E SECTION 1 QUARTER C  
LATITUDE: N 32DEG 03MIN 24SEC LONGITUDE: W 111DEG 35MIN 00SEC  
TOPO MAP NAME: SAN VICENTE - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

MANGANESE

BIBLIOGRAPHY:

ADMMR BLACK BIRD MINE FILE

BLACK BIRD MINE

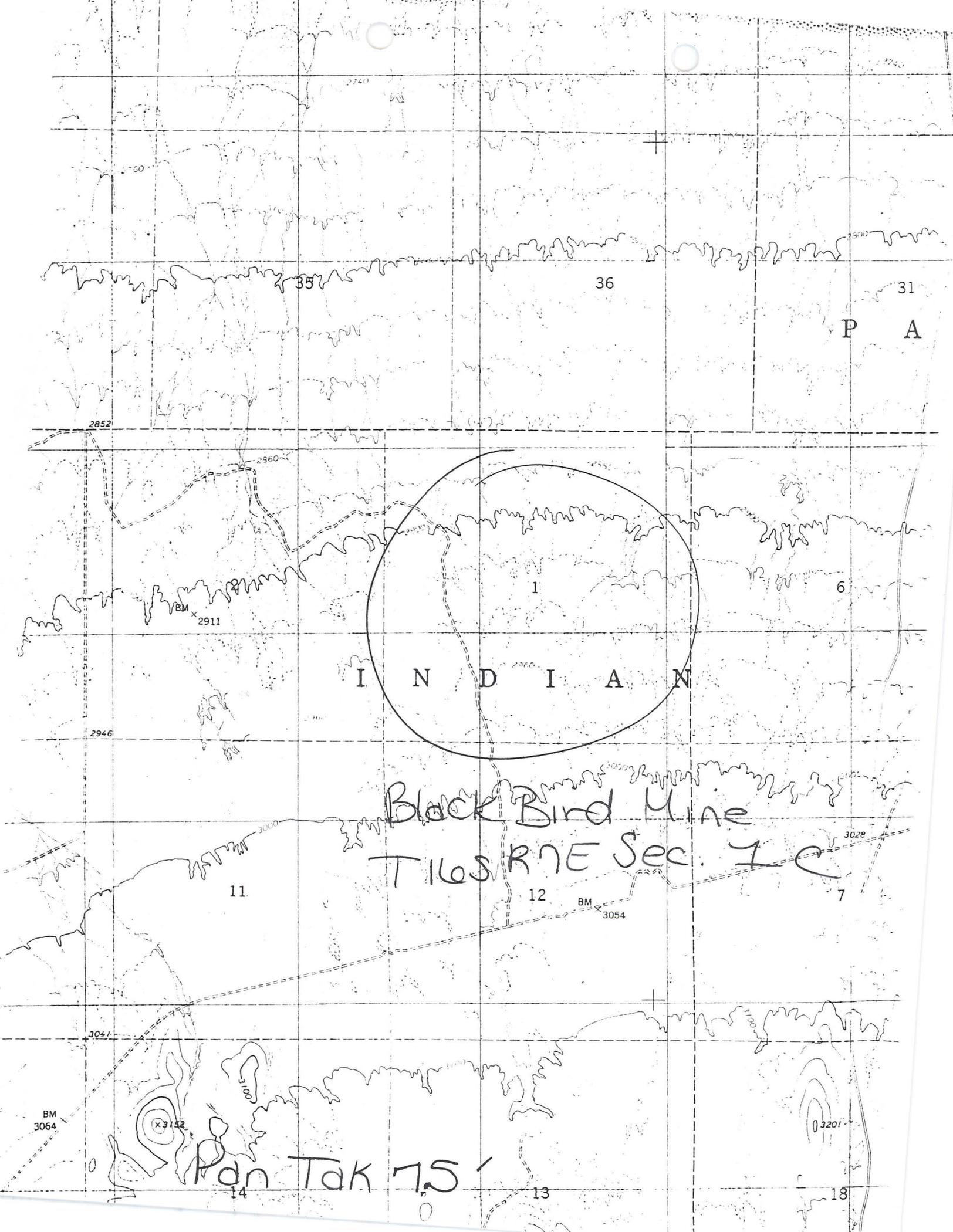
REFERENCES

PIMA COUNTY  
COYOTE DIST.  
T16S R7E Sec. 1

Pima County MILS Index #589

AKA: Coyote Manganese

Pan Tak, AZ 7.5' Topo (included in file)



I N D I A N

Black Bird Mine

T16S R7E Sec. 7C

Pan Tak 7.5'

35

36

31

P A

1

6

11

12

7

14

13

18

2852

2960

BM 2911

2946

3000

3028

BM

3054

BM

3064

3152

3201

NAME OF MINE: <sup>c</sup>COYOTE

COUNTY: PIMA

DISTRICT: .

METALS: MN

OPERATOR AND ADDRESS:

MINE STATUS

DATE:

DATE:

5/1/44

E. J. Freilinger, Box 261,  
Tucson, Arizona

5/1/44

Developing

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

~~December 10, 1957~~

February 11, 1958

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

<u>COYOTE</u>	<u>MANGANESE</u>
(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,  
Director.

Enc: Mine Owner's Report

BLACK BIRD MINE  
COYOTE MANGANESE

PIMA COUNTY  
COYOTE DIST.  
T16S, R7E, sec 1

Del Peterson called to say that he was unable to come up with sufficient grade of manganese at the Black Bird Mine to warrant further work there.

EAS WR 5/19/67

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August 26, 1942

mp

MEMORANDUM

COYOTE MINE

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

This property is situated about 42 miles west of Tucson, 2 miles to the south of the Ajo road. It is owned by H.N. Johnson, D.R. Colter, both of Peoria, Ill., and E. J. Freilinger of Tucson.

The manganese ore, psilomelane, occurs in ribs of a series of parallel ridges, northernmost spurs of the Baboquivari Mts. One of these has been opened up for a distance of 150' with ore showing the entire length about six feet in width. A shaft about 30' showed ore dipping to the east.

The owners have three men working. They shipped 12 tons to the Phx stockpile which assayed 31.55% Mn. Mr Snow is allowing them to sweeten this ore with another load which is of higher grade, containing considerable float and expected to run about 40% or better. If the grade can be maintained they will continue to ship. However, I am dubious about keeping the grade up consistently and believe rough concentration will be necessary to remove slabs of lime which occur in the fissures and which adhere to the broken ore bringing down the grade. They discussed a mill. They have a jaw crusher, and I believe a set of rolls would reduce the ore to 4-mesh without making undue fines. The ore is dense and brittle, unlike most of that in this area which is porous and cannot be reduced without excessive fines. It would be amenable to jig treatment and would probably make a good product. There is sufficient ore in sight to warrant such a mill. There is ample water six miles east at the old RoadSide mine.

The owners have returned to Peoria, and if they cannot raise funds for a compressor, jackhammer, and some milling equipment, rolls, jig, table, etc. will make application for development loan.

*George A. Ballam*

DEPT. MINERAL RESOURCES  
RECEIVED  
SEP 1 1942  
PHOENIX, ARIZONA

August 19, 1942

W

MEMORANDUM

Colter and Johnson  
Mn near Sells

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

Colter and Johnson of Peoria, Ill., have a manganese property located near Sells. They were indefinite as to other details of location. It supposedly samples about 48% and they claim they can ship 35% or better.

They plan on taking a load up to the Phoenix stockpile, and made a tentative appointment for me to go out to the property with them on Sunday.

*Geo A Ballam*

DEPT. MINERAL RESOURCES  
RECEIVED  
AUG 22 1942  
PHOENIX ARIZONA

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

~~FIELD ENGINEERS REPORT~~

NEWS ITEM

Mine  ~~Geer Mine~~ *Black Bird Mine*

Date Feb. 4, 1952.

District Coyote Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: News Item--- Source of Information--- Personal Visit.

Location 44 miles west of Tucson, along the Aho Road--- 1/2 mile north of the road.

Operator  Allen V. Geer, 1319 1/2 E. Indio Street, Tucson, Ariz.

Owner  ~~Same as above.~~ *Arizona Fluorspar Development Co, Tucson, Ariz.*

Metals Found  Manganese

Men Employed 4

Production Rate An average of about 10 tons per day, while doing development work.

milling Facilities None. believe the ore would have to be upgraded by some milling equipment in order to be able to produce ore running over 40 %. If some milling equipment would be installed, there, undoubtedly, would be quite a bit of low grade ore that could be milled, which now is too low grade for shipping.

Geology Manganese vein, which dips almost vertical, and is about 3 ft. wide, is found in a country rock which resembles Rhyolite.

Ore Values Varies to a great extent in different parts of the vein. Range is all the way from 20 % to 40 %.

Old Workings None. This is a new prospect.

Present Operations Sinking a vertical shaft, which is now down about 15 ft.

Proposed Work To continue sinking the shaft, and also to run drifts from same.

Proposed Plans Considering a Government Exploration Loan, and said that he would gather data on costs of sinking and drifting etc. Plans to ask for exploration loan for shaft sinking, and drifting from same. He may also ask for a loan for diamond drilling.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Black Bird Mine

Date May 26, 1952.

District Coyote Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Present Status

Location 44 miles west of Tucson, along the Aho Road-- 1/2 miles N. of the road.

Owner Arizona Fluorspar Development Co.---- Frank A. Peyton, Secretary,  
1119 E. 29th St., Tucson, Ariz.

Leaser and Operator Allen V. Geer, 1319 1/2 E. Indio Street, Tucson, Ariz.

Metals Present Manganese

Men Employed None at present. Mine has been closed down for 2 months. Operator plans to resume operations on June 2, employing 4 men.

Production Rate No production at present. Operator expects to produce about 6 tons per day after operations are resumed on June 2.

Milling Facilities None. Operator is considering the installation of some milling equipment for upgrading some of the ore which is too low a grade for direct shipping to Deming. There is a considerable tonnage of this low grade ore.

Geology Manganese ore found in a vein, 2 to 4 ft. wide, dipping 80 deg. N. The hanging and footwalls are rhyolite.

Ore Values Varies greatly in different parts of the vein. Range is all the way from 20 to 40 %. Operator believes he can keep it up to 30 % by proper sorting out of the rock from the hanging wall and footwall.

Old Workings A few open cuts in other parts of the property made by the former owner, E. J. Freilinger.

Present Workings Has a vertical shaft down 36 ft. with 16 ft. of drifting on the 36 ft. level.

Proposed Work Mr. Geer has contracted with 4 men to do the mining for \$10.00 per ton, Geer furnishing the explosives, air and water, operations to start on June 2. He has also contracted with another party to haul the ore to Deming at \$10.00 per ton. According to the agreement, the miners will receive a bonus if the ore runs over 30 per cent, and a reduction if the ore runs less than 30 per cent.

Past Production Mr. Geer shipped 118 tons to Deming, N. Mex. between the time he started operations on Jan. until the mine was closed down 2 months ago. This ore averaged only 21 %. The reason given by Mr. Geer for this low content is that the miners were careless about sorting the ore, and shipped too much rock along with the ore.

Proposed Plans (1) Sink the shaft to a depth of 100 ft. and then cross cut.  
(2) Apply for an exploration loan for exploring another section of the property, which is composed of 2 unpatented claims.

April 23, 1943

MEMORANDUM

Freilinger Mine  
Black Bird

TO: George A. Ballam

FROM: J. S. Coupal

I wrote you a memorandum on this property before finding your memorandum of April 20. I will submit this memorandum to Earl Hastings and if sufficient, it may not be necessary to examine the mine.

I will ask Earl to advise you.

April 23, 1943

MEMORANDUM

RFC Mine Applications  
Held Pending Information

TO: George A. Ballam

FROM: J. S. Coupal

There are two applications on hand in the office which being held up for lack of proper information. One is the property owned by Margaret Freilinger, 414 South Fourth Avenue, Tucson, on which Earl Hastings wrote you a memorandum on March 16. The other is J. W. Eastburn, Douglas, on which Earl wrote you a memorandum on March 23.

It will be necessary for us to hold up the reviews on the applications until we hear from you.

I believe you have been on the Freilinger property so from your notes you should be able to immediately get work to Earl as to the highlights so that he may render a fair decision.

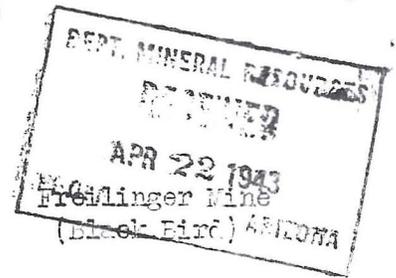
I am now talking with Earl and he does not feel as though the Eastburn property justifies a special trip to Douglas for this property. However, until we hear from you on this property and also on the other, the reviews on the loans will be held up.

I do not like to interfere with your plans for taking it easy during the next two weeks, but you can judge better than we can the importance of either getting these two loans reviewed so that they will be prepared for the proper hands or else returning them like they are now until after your vacation is over and you can make the examination without a special trip.

On second thought I believe it would be advisable to try and make the Douglas property either Friday or Saturday if you can possibly do so.

2 copies for R. F. C.  
Application

April 20, 1943



MEMORANDUM

To: Earl F. Hastings  
From: George A. Ballan

I looked over this property last summer and feel certain that I sent a memo in on it at that time. I had seen a number of manganese properties prior to that time, and have seen a number since. By way of comparison, I do not think I have seen one with the possibilities of good tonnage which there are here. In addition, there is less gangue and sorting is easier. Of course, this may not be much of a recommendation, for I haven't yet seen a manganese to get excited about. Freilinger, however, had been able to ship better than 30% grade which he claims ran 38% according to Lee Boyer. He will have little difficulty making plenty of 30% grade, and if carefully sorted, much of it should ship to Phoenix.

The ore body itself covers a large area on the north-jutting ribs of the Barboquivari Mts. At a depth of at least thirty feet there is ore showing, and I followed the main outcrop and some parallel ribs for several hundred feet. At intervals, these were opened up, at points where operators had thought high-grade ore might be taken out. The main cut was a couple of hundred feet long and some two hundred tons of ore were on the dump which I believed would run better than 25%, and was to be sorted. Since this time more work has been done, and more ore exposed.

If it is feasible to ship 30% manganese from anywhere in the state, then this property should be in production, and it will undoubtedly, on sorting, produce considerable ore of the higher grade.

*George A. Ballan*

April 13, 1943

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

You mentioned during your recent visit to Phoenix something concerning the Freilinger manganese property called the Black Bird. If you would drop me a memorandum giving me your impressions, I would appreciate it very much as I have held this docket for a considerable time pending some kind of information.

I am enclosing a copy of my previous memorandum in case you do not recall the property from the above description.

P. S. I am also holding the Eastburn docket subject to your next visit to the Douglas area.

File

March 16, 1943

Black Bird @

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

Margaret and E. J. Freilinger, 414 South Fourth Avenue, Tucson, have made application for a "C" loan on a manganese property in the Coyote Mining District in the Papago Indian Reservation.

There are some open cuts and so forth which show considerable low grade manganese. They wish to strip quite an area of the hillside and mine from a pit assorting the ore into two grades, one for Phoenix, and one for Deming.

They have offered a number of samples which I note assay higher than any of the shipments which they have made. The property does not look too good but thought it might be worthwhile talking to them about it and see if you can get any further information. They state that some test work was done, but not completed, by the University. It, therefore, may be possible to get some information from Wilson or Crabtree.

April 24, 1943

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

Thank you for the information on the Freilinger property. It is sufficient and an examination will not be required.

Tucson, Ariz.,  
May 27, 1952.

Mr. Roger I. O. Manning,  
State Dept. of Mineral Resources,  
Phoenix, Ariz.

Dear Roger:

This mine was reported to you under date of Feb. 4. I was out there at that time. (Reported then, as the Geer Mine)

According to the information I received from Mr. Geer at that time, he was the owner of the property and he was calling it the "Geer Mine".

I find now that the Arizona Fluorspar Development Co. are the owners of the property, and that Mr. Geer is now leasing from them. Also that they are now calling it the "Black Bird Mine" again, which was the same name as used by E. J. Freilinger, when he was the owner, some years ago.

Evidently, the agreement between the Arizona Fluorspar Development Co., and Mr. Geer was changed from a direct sale to a lease.

The report I sent in under date of Feb. 4, called Geer Mine, should, therefore, be filed under the name of Black Bird Mine.

Sincerely,

*Apel*

Axel L. Johnson,  
Box 390, Tucson, Ariz.