



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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~~Carbon
Copies~~

BLUEBIRD MINE

NOTE BY G. M. COLVOCORESSES,

October, 1937.

My visit to this property in 1914 and a casual inspection at a more recent date made favorable impressions and I think that there is good reason to believe that a large body of very basic gold-copper ore may be developed.

The location is bad but greatly improved during recent years by new road construction.

The mine was combined with the Red Rover (note Red Rover file) and they should be considered jointly.

Some recent work at the Blue Bird is said to have opened up a limited tonnage of ore which has higher gold values than shown in my samples and a few shipments of crude ore were recently made to a smelter but transportation costs proved too great a handicap.

A well planned campaign of exploration at the Red Rover and Blue Bird coupled with a study of the metallurgical problems might result in the development of a very first-class gold-silver-copper mine.

G. M. C.

RE: BLUE BIRD

Nov. 5th, 1914.

" You will be interested in learning the results of the samples which I took from the Bluebird Mine in your presences.

These analyzed as follows:-

# 1	Gold	.18	ozs.
	Silver	.22	"
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As I had previously surmised the ore is well suited to our purposes, and would make an excellent flux for the silicious ores of this vicinity. Unfortunately, however, it appeared to me, as a result of my trip, that the location of your property is to inaccessible to make it interesting to us at the present time. At a later date, should you succeed in interesting capital and developing the Blue Bird Mine, and to profit a means of cheap transportation to the railroad, I would be very glad to go into this matter with you further."

BLUEBIRD

Sept. 23, 1914.

Humboldt Smelter Co.

Gentlemen:

"I send herewith a sample of ore from the Blue Bird Group, 45 miles north of Phoenix. I have four claims. The ore in the Blue Bird is over 100 feet in width of solid sulphide ore, running according to assays from average samples 2% to 8% copper and \$2.40 to \$12.80 in gold. If you can use the ore for flux I will set the price on the groupe, or will make arrangements to ship to you. I am down 175 feet in incline. At 100 feet have crosscut the ore for 46 feet east, and 60 feet west. The sulphide starts 20 feet below surface and at 110 feet dips away from shaft. It is covered by 20 feet or more of irony gossan.

It is in schist or porphyry schist. It is in fact a big low grade proposition. Several/100 tons on dump
more claims can be taken up.

Very truly yours,

(signed) Wm. E. Thomas.

Supplementary data on BLUEBIRD MINE

Visited by G. M. Colvocoresses - January 23rd, 1938.

Present road turns off to left of the Camp Creek Road about 48 miles from Phoenix, beyond the right hand road to the Red Rover and just before reaching the Seven Springs Recreation Area.

Turn off road is marked "Cartright Ranch" but this road forks at the turn off and the Bluebird road is the left fork, the Bluebird Camp of two or three old buildings being about a mile from the turn-off and along a creek.

From camp to mine shaft is less than a half a mile but the last quarter mile is steep and rough and best negotiated on foot.

The old shaft is located on the right bank of the creek and about 10 ft. above it.

The shaft dips about 70° to the east and it is said to be 175' deep with drifts and crosscuts on the 100' level. It is equipped with a tripod and old horse-whim and there are ladders and skid-way for bucket. The timbers look to be in fair condition but there is water standing below a certain depth and the air is bad so that I did not attempt to descend.

Apparently no underground work had been done here for the past twenty-five years. The collar-set of a 3 compartment vertical shaft had been put down about 100' to the east but this seems to be as far as they got at that point.

The country rock is mainly sericite-schist tilted nearly vertical and striking northeast. There appears to be dykes of diorite and and rhyolite porphyry. The outcrop of the vein is to be seen close to the shaft but seems to be only 5' in width. It is a heavy iron gossan. The vein also strikes northeast - southwest and seems to dip to the southeast.

On the dump there is still some of the heavy iron copper sulphide ore similar to the samples which were taken to Humboldt. A few years ago it is said that 2 carloads of this ore were hauled out and trucked to Miami smelter at a rate of \$4.00 per ton (which is unbelievable). This was done by Duke C. Payne (?) a promoter from Phoenix. No returns on these shipments are available but they might

be obtained from the smelter.

The property is now owned by Frank Shelton (Cave Creek P.O.) who lives at the camp with his brother. He knoww nothing of mining and was never down the Bluebird shaft but says that he was told that the solid sulphide ore on the 100' level was 16' wide and averaged \$5.80 in gold and about 4% copper. Shelton owns 2 claims in this group. Pioneer #1 and #2 and expects to stake #3. He also owns another prospect which shows honey-combed quartz with galena, copper and iron stains and may carry gold.

Allison of the Allison Steel Co. has made Shelton an offer totake over the mine but Shelton has closed no deal with him.

The location of the mine is very bad and the character of ore while very suitable for direct smelting would make milling impossible. It would thus have no value unless a very large tonnage of pay ore could be developed and it seems to me that there is a chance that this might be done. I think that it should be worth while to unwater the shaft and make a careful investigation if a reasonable deal could be made.

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BLUE BIRD MINE (CAVE CREEK) - *file*

Note: 8/10/42

Conference with Oscar P. Long, phone 3-6848

Long now owns a half interest in this mine along with Price the former owner.

Dan Main told Long that before he quit working there for the Inspiration Company they ran a long drift up the creek to follow the ore shoot but lost it at a fault and the ore had pinched out in depth at 110' level but at a depth of 175' they ran a cross-cut to the east for 140' and there apparently struck the faulted segment of the vein on the other side of the diorite dike and samples ran \$15.00 of which \$9.00 was gold and balance copper and silver.

Perry of Inspiration Company examined this mine and recommended its purchase but Price had a row with the Inspiration officials and that Company took away their equipment and stopped all work. The ore which they had shipped had an average value of about \$9.00 per ton and was trucked all the way to their smelter at Miami at a cost of about \$4.50 to \$5.00 per ton. It would be very desirable as flux if the copper content were higher, it had averaged only 1.00 to 1.50% copper.

Name - BLUE BIRD

Location - Camp Creek

Date - July, 1938

Notes - It is stated that 50 tons per day will be shipped from this mine to the International Smelter at Miami by Dan Main and Howard Mottier of Globe.

Headframe and Ore Bins are under construction.

Watch the grade and composition of this ore if shipments continue.

NOTE RE BLUEBIRD MINE

Cave Creek

12/2/39

Operated under lease for some time past by Howard
1611 W. Washington (5-6-44)
Mottier and Mayne of Cave Creek.

The International Smelting Co., being badly in need of basic sulphide ore, built a good road into the mine, provided some of the equipment and financed considerable development but below the 160' level and at the end of the shoot the ore pinched and faulted and the search for any additional tonnage would involve a large expense for drilling or other exploration which the International Co. are not willing to undertake particularly since they have a better balanced charge since the price of copper has improved.

The smelter has treated this ore at a flat rate of \$1.50 per ton and the truck haul of 52 miles from the mine to Phoenix has cost \$2.00 per ton. Did not get the R.R. freight rate., which was probably another \$2.00 or more.

The lessees have now shipped 8,000 tons and are nearly through. The following may be taken as an average analysis of shipments.

Au.	0.185 oz.
Ag.	0.13 oz.
Fe.	40%
Cu.	1.17%
S.	25%
SiO ₂	12%
CaO	1.2%
Al ₂ O ₃	2.0%

Gross value of this ore say \$9.35 and mining costs have been less than \$2.00 to put ore in trucks. Other charges as above would make total costs about \$7.50 and smelter probably paid about \$8.00 leaving profit of about 50¢ per ton to the lessees is in line with inferences from Mather's statements.

Seems to be little or no future to this property unless someone would take a gamble for exploration and if International Smelting Co. will not do this, it cannot appear attractive to them.

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