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Name - BANNER MINE (Comstock Lode)

Location - On Stockton Hill

Operators - Frank Manson, et. al.

Owners - U.S. Smelting Co. and under contract to ship them all output. Shipping 50 tons per day.

Notes by - G.M.Colvocoresses re visit to Kingman-Chloride District with A.B.Young, Sept. 20, 1926.

Notes - Assay

	<u>High Grade</u>	<u>Low Grade</u>	<u>Average</u>
Au.	.0.35 oz.	0.1 oz.	0.2 oz.
Ag.	7.0 oz.	5.7 oz.	5.00 oz.
Cu.	---	0.9%	---
Pb.	10.00 %	6.0%	8.00%
Zn.	18.00 %	10.00%	14.00%

On basis of tentative terms average ore should net shipper about \$9.00 per ton at the mine, - which would amply cover costs and leave a nice profit. Low grade ore should yield \$5.25 per ton at mine, - Manson figures costs at about \$5.00 per ton for average ore.

Name - BALL MINE  
Location - Wickenburg

Date - 10/8/34

Notes - Ball has a gold prospect some 6 miles east of Wickenburg in which he is said by W. W. Rhodes (Dusty) to have found some \$12.00 gold ore.

Ball lives in first house on east side of main road below Sunrise Service Station (about one mile south of it).

Wants \$1000 for the property and would make reasonable terms of payment.

G.M.C.

DISTRICT

Agua Fria.

PROPERTY

Baumann Mines, 25 unpatented claims, of about 500 acres.

LOCATION

3 miles East of Humboldt.

OWNER

Baumann Mines Co. John Baumann, President and General Manager, Humboldt, Arizona.

DATE VISITED

October 7, 1918, by J. ~~J.~~ White.

NOTES

Country rock. Porphyry in schist with some small islands of schist. The property consists of 25 claims, all but one of which is said to show some values. The general strike of claims and ledges is N 20° W. Only the south end of the property was visited.

The Alice claim at the extreme west side of the group has a 200 foot shaft, sunk on what appears to be a contact between schist and porphyry, strike N 10° W. In the porphyry at the contact there is a ledge of quartz which shows copper carbonate in the seams. A few tons of ore have been sorted and shipped from here, which had considerable silver in addition to the copper values. No body of ore was uncovered; crosscut at the bottom was in waste throughout; bottom inaccessible.

The Swiss Girl claim (1200 feet East) has had more work done on it than any other claim on the property. A shaft was sunk ten years ago on a fault in porphyry. Strike N 20° W. Dip 64° E. The footwall of the fault has a gauge of 5 to 15 feet in length and on this the shaft was sunk 900 feet. Sample No. 1 is a grab of the dump.

No drifting or crosscutting was done and after filling with water the shaft caved to the 70 foot level. At this point a little mining has been done on some narrow streaks of ore, generally chalcopyrite, much altered and tarnished. Less than 50 tons has been shipped. 300 feet south of the shaft is a tunnel 300 feet long driven on the vein to the shaft at the 115 foot level. Where it is open copper stain of the carbonates and streaks of chalcopyrite show. All mineral is in the hard porphyry hanging wall of the fault. No orebody was encountered on the entire workings. Baumann No. 2 sample is a grab of the dump of the tunnel.

The adjoining claim south of the Swiss Girl, the Iron Mask, has a 300 foot crosscut tunnel through the gouge and fault. It shows no copper or mineral other than a little pyrite, but is said to contain some copper and much lime. Sample No. 3&4 from here.

600 feet East is the Iron Cliff claim, which has a 26 foot shaft sunk near a highly iron stained cliff. The dump shows some pieces of heavy pyrite. Sample No. 5 is from the best of this.

600 feet farther East is the Baby claim, which shows several small veins striking S 70° W. A 115 foot vertical shaft was sunk near these and crosscuts started to intersect these. Two veins were cut which show some copper carbonate and much iron.

B -

*Copied*

#2.

Baumann Mines Property - Notes (Cont.)

The camp, located mainly on the Swiss Girl claim, has accommodations for about 50 men and seems to be in fair repair.

The power plant consists of two 80 H.P. boilers, coal fired; a steam driven Vulcan Hoist, good for over 1000 feet depth, 7/8" cable, 3/4 ton skips. There is a small air compressor and several jackhammer machine drills. There is also a small air driven hoist at the Baby Mine and a 50 H.P. boiler, unset.

None of the machinery was inspected.

Water for domestic purposes must be hauled from the Agua Fria River, 2 1/2 miles distant.

In none of the workings was anything resembling a commercial orebody encountered.

The present indications on the claims visited do not justify any further work.

<u>Sample No.</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	<u>CaO</u>
1	Trace	Trace	Trace	
2	"	"	"	4.0
3	"	"	"	
4	"	"	"	
5	"	"	"	

(See next page)

(Note by G.M. Colvocoresses - Oct. '37)

No success has attended subsequent attempts to develop this property.

BAUMANN

Note by G. M. Colvocoresses, October, 1937.

Only a very limited amount of development has been done at rare intervals since this report was written. The property is inactive at present and there is no incentive for further work. It may be classed as an unpromising prospect.

GMC

Name - BEN HUR (Saguarita)  
(2 unpatented claims)

Location - Cave Creek

Date - 9-20-37

Notes:-

Presented by Ellis Osborne, son of the owner.

Located Near Camp Creek one mile west of Howard Ranch where road goes off to Camp Creek.

An old development carried on by Ellis Osborne's grandfather.

A strong vein which outcrops on a hillside into which has been driven a crosscut 600' long that cuts the vein near the breast where the vein has a width of 20' and samples, according to Osborne, \$7.00 in gold per ton. The back at this point is over 200'. Same vein on the surface above had a width of 14' and a shaft was sunk 80' and can now be descended with the help of a rope and samples could be taken in the shaft. From the shaft dump Osborne took two grab samples which ran \$4.26 and \$3.95 per ton.

An engineer who looked over the property some time ago recommended that a new adit drift should be driven from the outcrop of the vein in the hillside at about the level of the crosscut. No results of samples from outcrops or shaft are now available.

The vein appears to be strong and it is very hard carrying crystallized iron sulphide in quartz or wall rock. The engineer said that the ore would only be suitable for direct smelting or cyaniding.

An examination would involve sampling the vein in the crosscut and to some extent in the shaft and on the surface and analyzing a composite sample to obtain an indication for the best method of treatment.

Osborne may call again to bring in a sample and advise if they wish to have me examine the prospect which could be done in one day.

(1-15-38)

Osborne called again and said that he is now working at the Texaco Filling Station, corner Central and McDowell.

His father's phone is 9-1283

He brought in a sample of very hard jasper-quartz with specks of white iron pyrites and stain of iron oxide. This is the material which Osborne thinks will run \$7.00 per ton in gold and have a width of 20'. It looked pretty worthless and certainly would be very hard to mine and would require a mill. There is said to be plenty of water within one mile of the prospect.

BANNIE MINE

"Extract from report of Bradshaw Mines Inc. made in 1936  
presumably by Morris Elsing."

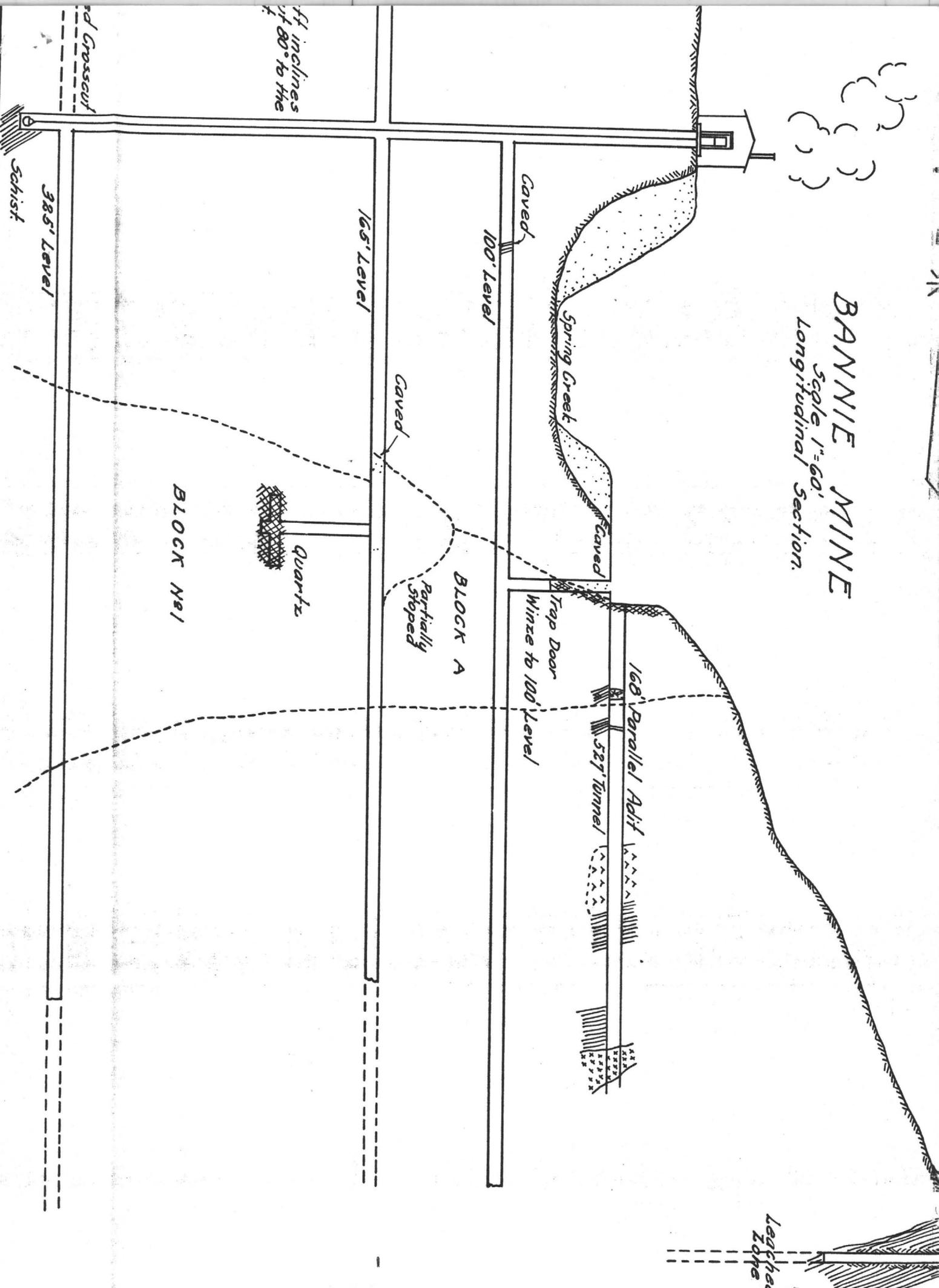
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The Bannie Mine comprises a group of 16 unpatented lode mining claims including a millsite and water rights situated in the Walker Mining District about twelve miles from Prescott; elevation a little over 6000'. This mine is powered by a complete steam plant which will facilitate the exploration.



# BANNIE MINE

Scale 1"=60'  
Longitudinal Section.



ft inclines  
at 80° to the  
f.

ed Crosscut

Schist

385' Level

165' Level

100' Level

Caved

Spring Creek

Caved

Trap Door  
Winze to 100' Level

168' Parallel Adit

529' Tunnel

Caved

BLOCK A  
Partially Stopped

BLOCK No 1

Quartz

Leach  
Zone

District	Property	Location	Owners & Operators	Date Visited	Notes
Humboldt, Arizona.	Badger	4 mi. E. Humboldt on Agua Fria Road.	R. H. Bruce, resident on the ground and John L. Davis of McCabe. Idle prospect.	June 9th, 1917	<p>Three claims offered for \$30,000.00. Bruce has five others. Belt of silicified schist, with iron stains, running N-S, dip W. Hanging wall diorite, then quartzite. Foot wall silicified schist. Towards top of hill on Badger claim is a 20' pit, with windlass, and a 10' hole. According to Bruce the ore body assays \$12.00 in gold for a width of 14'. My sample (H 104) across 9' at bottom of pit assayed 0.24 oz. gold; 1.08 oz. silver. An additional 4' on the foot wall side assayed (H 105) 0.10 oz. gold; 0.18 oz. silver. Some of the ore panned very well.</p> <p>Crosscut tunnel 148' below the pit is 300' long, cutting a few seams but nothing commercial. Bruce estimates that tunnel has to be driven 100' farther to cut "rich" shoot seen above. At the River on Homestake claim is a little cut in diorite showing a seam about 2' wide containing chalcoppyrite and pyrite.</p> <p>Six claims, including the three now offered, were at one time taken under option for \$30,000.00, after examination, by Nathan L. Amster for L. Whicher, (of Little Daisy at Jerome). Amster's later offer of \$5,000.00 for three months' extension was refused by Bruce as Fennell and Bretherton of the Val Verde Smelter bonded the property for \$100,000.00, but did not work and made no payments. The prospect is undeveloped and unless the ore runs considerably better than my samples it is unpromising.</p>

District	Properties	Location	Owners & Operators	Date Visited	Notes
Copper Mountain, Yavapai County.	Barra-Barra Sometimes called Barbara	Top of South Copper Mountain, 3 mi. E. Mayer.	W. A. Tucker of Bisbee and Ed. Walker of Mayer. Part of Lyon Copper Co's. forfeited claims. Developing.	August 8th, 1917.	Belt of highly siliceous Yavapai schist some hundreds of feet wide. Quartz stringers and lenses in places. At one place, where there is E-W fracturing across the strike of the schist, considerable copper carbonates show with some chalcocite and a very little unaltered chalcopyrite. A shaft, now 15' deep, is to be sunk here and for this purpose a small gasoline hoist is being installed. Another small open cut, also on cross fractures, shows a little copper carbonate. Observed no showings of copper elsewhere on the property. The mineralization, on the surface at least, would appear to be limited to the zones of cross fracturing.

District	Property	Location	Owners & Operators	Date Visited	Notes
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Copper Mountain Barbara

Mr. Smith,  
Foreman in  
Charge

April 7, 1925  
D.F. Reed

A road had been built at considerable expense, a portion of the hillside graded out and a small double compartment shaft was being sunk at the time of my visit. It was then down about twenty five feet. This shaft is in barren rock about 700 feet from the vein and should any ore be found would not be suitable for a working shaft. Houses were being built and about twenty men were working along the side of the hill. I was unable to discover that any prospecting had been done on the ore, if any. According to Mr. Smith it is intended to sink this shaft 700 feet, then crosscut 700 feet to the vein.

It goes without saying that we need expect no ore from this property.

The property lies four miles East of Mayer on Copper Mountain.

BARBARA

*for several months*

2 miles by	7 hrs.
" " "	5 "
<hr/>	
Total	12 hrs for development work

*The*

Additional notes by D.F. Reed accompanied by K. Williams.

Visited Oct. 23, 1925.

Smith, Superintendent, says shaft down 350'. Cross-cut on 300 level in 520' from shaft. Will expect to strike ledge at from 500 to 600 feet from shaft. Will prove ore or not within four weeks.

Name - BEEHIVE, near Rich Hill

Location - Congress District

Notes:-

J. C. Lane of Octave called to say that he now has this property which comprises 30 claims of which 7 are patented. For a length of 7000' there is found a ledge or dyke of porphyry from 12' to 1' in width and carrying quartz stringers and gold values.

Has a tunnel on hillside which cuts one ledge and heads for another, where ledge is cut (about 80' below surface) he seems to be on top of a very rich ore shoot which he says carries high gold values and he is now starting a winze. Has a lot of equipment but no hoist and needs money. Has been using an arastra and employing 7 men. He had with him probably 20 oz. gold which he says is about 900 fine after the mercury is strained off thru chamois.

A. V. Moore thinks this is a good little mine. Reached by good road right up Weaver Creek from the old Octave Mine.

# BELFORD'S CHRISTMAS MINE

W. G. BELFORD

Mayer,  
Arizona.

Prospect  $4\frac{1}{2}$  miles southeast of Mayer, Arizona,  
visited August 23rd, 1916, by Mr. E. S. Smith.

## HISTORY

The property was worked in 1908 by a Michigan Company under the direction of Ed. McClave. Mr. Norris, of Prescott, was their attorney. They made several open cuts and sank one shaft 40 feet and another 300 feet without finding any ore of importance. Belford doesn't recall the name of the Company or that it ever shipped any ore. For three years after stopping operations the Company kept up its assessment work on eleven claims and patented the claim on which is the 300 foot shaft. At the end of 1915, the locations on all unpatented claims having lapsed some time previously, Belford re-located some of the ground and has done a little surface prospecting for about 500 feet north and south of the old Company's 40 foot shaft.

## WORKINGS

(The country rock is schist). Belford's prospecting has in about six places disclosed small kidneys of quartz sufficiently impregnated in places with copper to make ore. These kidneys are usually quite disconnected and some distance apart. In two cases they may be joined by small stringers of barren quartz. In the 40 foot shaft and 100 feet north of the shaft, in an open cut, are two quartz lenses, 3 feet wide and 20 and 30 feet long. These show concentrations of copper attractive for "chloriding" but even the shallow depth gained by the shaft points decidedly to the probability that all the bunches of copper ore disclosed are only superficial enrichments. 500 feet north of the shaft is a belt of schist sixty feet wide, showing silification and iron stain, but no copper. Belford's sample running 11% copper was obtained chiefly from float.

material and from a small kidney of ore he said he shot out at this place, but of which there is now no sign in place.

CONCLUSIONS

Belford's samples carrying 4½% to 12% copper are picked samples. There are exposed several kidneys of siliceous copper ore which could be easily broken and sorted to obtain a shipping product running 6% to 10% copper and 75% insoluble. I should think two car loads could be shipped with little work, but I believe the prospect gives no indication of the existence of any fair-sized orebody. -



District	Properties	Location	Owners & Operators	Date Visited	Notes
Bagdad, Yavapai County	Bevering	3/4 mi. Bagdad Camp. 4 claims	H. Bevering & Griffith. Idle.	1917 Aug. 25th	Fractured porphyry and alaskite. Tunnel runs S. W. 50'. Ten feet from mouth is a branch S. E. following 1' brecciated quartz and calcite, iron stained, showing very little mineral of any kind. Apparently located because the territory adjoined the Bagdad property and for a site for a saloon which Bevering ran.

*Holland*

*Griffith*

*c*  
*AD*

BIG BUG COPPER COMPANY

April 13th, 1919.

The Big Bug working shaft is now down to 103 feet.

The dump of the shaft has been dressed and on top shows much good looking ore which consists mainly of chalcopyrite and malacanite in diorite.

The slopes and outskirts of the dump shows only a very little copper and some iron sulphides.

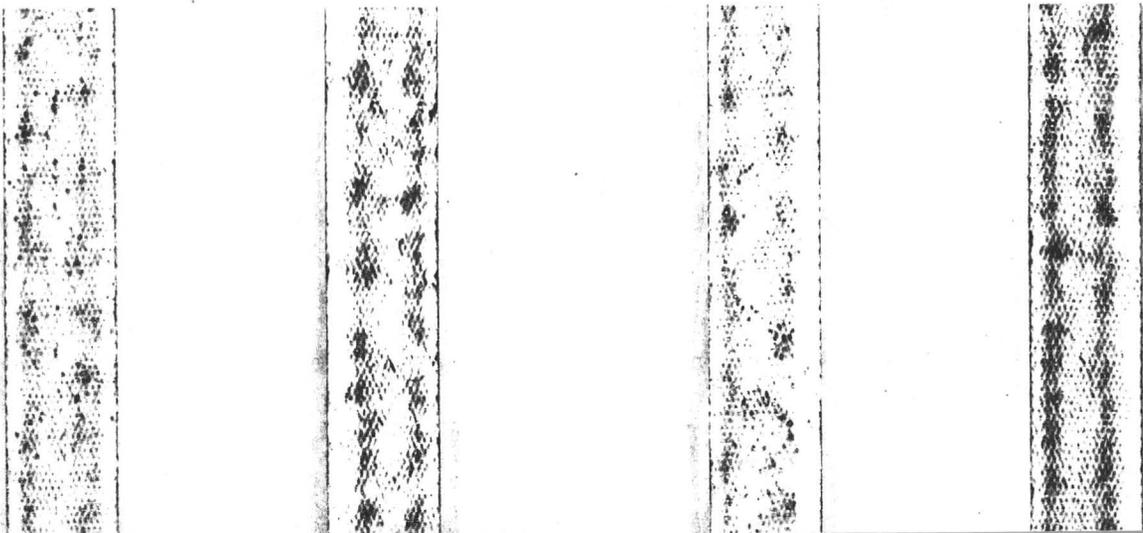
Small pockets of chalcopyrite have been encountered in sinking the shaft and what is said to be the largest found, is exposed at the bottom of the shaft. These pockets occur on fractures and contain some very good ore in very small amounts. The pocket in the shaft bottom will probably contain a ton of ore of 4 or 5% grade. Pieces of practically pure chalcopyrite can be found in this.

There is nothing new indicated in the development except possibly a wider distribution of copper which would seem to favor the possibility of a commercial ore body in the neighborhood.

(See next page)

mailed

sent for the date



DISTRICT

Copper Mountain, Arizona.

PROPERTY

Big Bug Copper Co. eight claims and a fraction in two groups; the Minor Group of two and a fraction patented claim lying in between.

LOCATION

6 miles N.E. of Mayer and 1½ miles east of the Binghamton Mine.

OWNERS

Big Bug Copper Co. of Mayer, Ariz., owners of B.B. Mine, and Frank Thornton and Minnie Mayer of Mayer, Ariz., owners of the Minor Group.

DATE VISITED

Oct. 17, 1918, by J. L. White.

NOTES

Country, an island of what appears to be quartz diorite in Yavapai schist.

The quartz diorite is much faulted and shattered in some places; along the fracture plains occur streaks of copper ore, carbonate for the greater part with some copper glance and chalcopyrite.

No ore of commercial importance has been found, nor is there an outcrop of any particular promise.

On the Big Bug claims there are several shallow cuts and pits, the most important being a shaft about fifty five feet deep, which is being sunk at present. This shaft is vertical and all in diorite which shows occasional pieces of copper carbonate and sulphides. As broken the rock will carry a fraction of one percent copper. At the collar there was the slightest trace of stain.

The Minor Group has a number of places where the copper shows on the surface and some ore has been from these. In all over 400 feet of work has been done in shallow tunnels and shafts and winzes and about 50 tons of ore is now on the ground that was taken from these workings and the surface.

The headings were all driven on the fractures which in places opened to several feet in width and made small bunches of ore.

There is no ore body, or the indication of one, at present exposed. There are, however, indications that point to the possibility of ore being found somewhere on the properties.

✓

District	Property	Location	Owners & Operators	Date Visited	Notes
Walker	Berberich Claims		Mr. Berberich	April 3, 1925 D. F. Reed.	<p>Met Mr. Berberich at the Tomboy property April 3, 1925. Did not see the property. Mr. Berberich says he has a big ledge four to ten feet wide which will run ten to seventeen per cent. copper and high in iron. Expects to have some ore to ship next fall. At present time is doing prospecting and development work in a small way, mostly I gathered by hand. Seemed very confident of the existence and grade of his ore.</p> <p>The prospect adjoins the Tomboy on the west.</p>

Addition to report on  
BIG BUG COPPER COMPANY

*Copper Mountain*

Development:-

Since the report by Mr. Smith on this property the shaft has reached a depth of 225 ft. The station cut at the 200 ft. level and the cross-cut driven 65 ft. to the west and the same distance to the east, the west cross-cut passed thru 9 ft. of slightly mineralized ground reported to carry 5% copper which report is evidently grossly exaggerated since this material could not possible exceed  $1\frac{1}{2}\%$  in value. The cross-cut to the east passed thru no mineral whatever, but at 60 ft. encountered a north-east south-west cross-fracture showing considerable oxidation and some small amounts of native copper. This east cross-cut does not look very promising at present, but may develop some small stringers of good ore if continued several hundred feet to the east.

Conclusion:-

Financial resources of the Company are decidedly limited and it is doubtful if operations will be carried much further under present administrations.

W.V.D.

(See next Page, also)

✓

Humboldt/  
EH/1-22-20/

*See next two pages*

BIG FOUR GROUP near Camp Creek, Arizona.

Conference with owner, H. E. Crisman, of 1611 West Fillmore St., Phoenix.

Ten claims, located about five miles southwest of Red Rover and  $3\frac{1}{2}$  miles north of the Blue Bird, reached by driving up the Camp Creekroad to cross the Rackensack Bridge (4th bridge beyond Cave Creek and signed) then turn under the bridge and drive about 1 mile up canyon to two cabins under big oak trees. Big body of altered schist and porphyry in which the ore makes on both sides of a rhyolite dyke,

Developed by one long tunnel 450' with 400' of drifting at end, another tunnel 75' long and 3 shafts each about 40' deep. Indicated length 2000' or more, width 50' and average value \$3.50 per ton. <sup>with</sup> The higher grade material occurs in small stringers. Work done since 1909.

Most of the samples taken at or near the surface and thorough sampling would be a big job and would have to be followed by drilling or additional shafts and drifts to prove up tonnage. J. M. Hill, U. S. G. S. is said to have looked over the ground and made favorable comment.

(Crisman seems to be honest and conservative but considering the location and low grade which he claims the further investigation and development of these claims does not appear attractive, although it would be interesting to visit them if one were in that district.)

BIG PINE,

Two miles off Senator Highway, 12 miles from  
Prescott.

Worked and equipped with mill prior to 1914 and  
subsequently at intervals produced some small quantities of gold-  
silver-lead ore.

Veins are strong but values occur in irregular  
shoots and pockets. Last operated in 1936 by the Bradshaw Co. who  
recovered mostly the old fill and gas from the stopes which ran  
in places about \$10 per ton.

No large amount of ore is left in the mine and  
chances for developing additional tonnage appear poor.

*Copy to file*

DISTRICT	PROPERTIES	LOCATION	OWNERS & OPERATORS	DATE VISITED	NOTES
Kirkland, Yavapai Co., Arizona.	Black Beauty	9 m. S. E. Kirkland, Walnut Grove, Mining Dis- trict. 6 claims.	R. Dunlap. Idle	October 4th, 1917.	Quartz vein in diorite, dipping 75° West, maximum width 8'. Shaft 63' deep with short drift at bottom. An average value of \$8.00 in gold, with a little silver is claimed for the ore, but is actually a good deal less. Unattractive prospect.

*L. F. T. H.*

*Int. of degree*

Kirkland, Yavapai Co., Arizona.	Farwell	9½ m. South Kirkland.	T C Farwell & G S Moe. Idle	October 4th, 1917	Lenticular quartz, schist hanging wall, diorite foot wall. Strike E - W, dip 36 degrees north. Two incline shafts, total depth 380 ft and 312 ft, but inaccessible below 100 ft level, where there is an ore shoot 45 ft long, average width about 4 feet, average value about \$5.00 in gold. Unattractive prospect.
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*L. F. T. H.*

*(copy)*

*P. M. S.*

Property: Black Chief Mine

District: Cherry Creek

Location: About 6 miles north of Cherry Creek road at Ash Creek crossing.

Owners: Stock company. A.Cole, Manager, Oberlin, La., Eugene Milligan, Sec'y., Prescott, Arizona

Date Visited: July 20th 1922, by H.S.McKnight.

Notes: Seven claims held by location. Vertical shaft 200 feet deep, with 40, 100 and 200-ft levels. The 40-ft level is connected with tunnel from surface. Shaft and workings filled with water to 40-ft level and water running out of tunnel. Following information was obtained from dumps and surface: ore occurrence - replacement in schist. Sample of 30 tons of ore said to have been broken on 100-ft level at winze station ran: Au 0.03, Ag 2.13, Cu 3.47%. Sample of small dump of ore taken from cross-cut under above station on 200-ft level ran: Au, 0.02, Ag 1.20, Cu 2.41%. Sample of leached cropping in incline about 100 ft south of shaft ran: Au 0.02, Ag 1.46, Cu 2.37%. Shaft is apparently in good condition. Light hoisting and pumping equipment.

*See map page*

District	Property	Location	Owners & Operators	Date Visited	Notes
Black Hills Yavapai Co.	Black Chief	Ash Creek - 12 mi. N. E. Dewey.	Black Chief Copper Co., Jno. Milligan, Pres, leased to J. M. Sul- livan, L. J. Lewis & Co. Idle Prospect. Nobody on ground.	1917 June 29th	Six claims. Vertical shaft, filled with water, unknown depth, in schist. Most of dump consists of blue schist, some with iron stains, a little showing chalcopyrite and pyrite. Some of schist is leached and fractured, with iron in interstices. A narrow iron stained quartz ledge running N. E. S. W. outcrops near collar of shaft. The gasoline hoist and pump are very light and it is reported that heavier equipment is to be installed. A possible small producer of chalcopyrite ore or concentrates.

*Increase tally 269!*

*4 miles N. of Dewey*

BIRD MINING CLAIMS

(Extract from letter from L. N. Wombacher, P. O. Box #332 Clarkdale)

A brief description of Bird Group of Mining Claims located in the Cherry Creek & Verde Mining Districts, Yavapai County, Arizona.

The Bird Group consists of 9 unpatented Claims located on the east slope of the Black Hills Range of mountains, about 12 miles in a southerly direction from the city of Jerome, and the great United Verde Mine. The property is on the east Fault Plane, the same fault as the Big Mines at Jerome are located on.

The property is one mile from the County Highway (once the State Road) and in good condition. There is no machinery or equipment of any kind on the property.

There are about 2,000 ft. of development work done on the property. The mineralized formation is about 1,000 ft. wide on the East and downhill side of the mine. There are hills heavily stained with iron, a redish and brown stain. Above and to the west of those hills the large copper vertical formation begins. At this point a 600' crosscut tunnel was driven westerly, small veins of ore were cut in this tunnel that went as high as 10% copper. At one point about 200 feet in molybdenum in small quantities was found in the ore across a width of 20 ft. or more. Here also copper values showed - also a little gold and silver. Down the hillside from this point about 200 ft. a diamond drill hole was sunk to a depth of 375'. This was driven at an angle of about 45°. The last 21 ft. assayed 10% copper, \$12.50 gold, and 11 oz. silver. I got this information from a friend who superintended the drilling. This drill hole would have been driven deeper if the drill had not struck into a soft formation - too soft to make a core. The accompanying map of the group shows about the location of the drill hole and also the 600' crosscut tunnel. I superintended the driving of the tunnel, the same being driven on contract to determine the best place to sink a shaft. This tunnel just reached the large gold vein when completed.

The gold vein, as you will see on the map, dips to the east and into the large copper zone, and it is my opinion that the drill hole was in or near the junction of the two ore bodies, and it is natural to encounter high grade ore at this point.

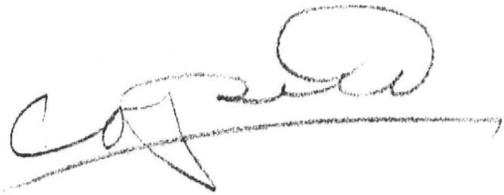
I will now take up the large gold ore body. This immense vein lies on the mountain side and dips to the east. A crosscut tunnel is driven into and through the ore near the hanging wall side. Drifts are driven in both directions and several other crosscuts are driven to the footwall, showing the ore body to be about 75 ft. wide. The ore is what us old Cripple Creekers called Ring Tail Porphyry on account of having brown rings or circles of a dark brown or black color. This ore is easy to crush and about the values I am not certain as to what it will average. Some mine engineers claim an average of \$3.50 per ton, others higher. The few samples I had assayed showed an averaged of \$2.50. However, I was unable to get into the north drift only a short distance and the north crosscut not at all on account of the caved condition that existed. I did get some of my highest samples north of the main tunnel. About twenty years ago I panned samples for John Hays Hammond (the great M.E.). He made a careful and thorough examination of the mine with three helpers. I panned about 50 samples and never drew a blank. Free gold showed in every sample. Mr. Hammond thought well of the property and predicted it would develop into one of the largest mines in the country. Higher up the mountain very high grade gold ore was taken out near the surface in a shallow tunnel. The vein faulted and nothing much was done to pick it up again. This is also marked on the map. This vein ran almost northerly and southerly and cuts across the 20 ft. vein. Here again good ore should be found. No work at this point, only a shallow hole. On the east slope of the mountain, an old shaft about 25' deep we have 3% copper, and \$13.00 in gold. This shaft is sunk on the footwall side - no crosscuts - consequently we cannot say what is between the shaft and hanging wall, a width of about 15 ft. more of the vein. It strikes me that the large gold ore body is on a no-one steam shovel proposition. The

over burden is shallow. In places it shows on the surface. There are thousands of tons above the tunnel level - marked main workings on map - One of the crosscuts or the main tunnel can be driven to the vein that carries the high grade gold ore and tap it at a depth of about 300'.

I could write pages and pages more but would it get me anywhere. I have stated facts to the best of my belief and ability. I am an old Cripple Creeker and I believe that I know a mine when I see one, and I can truthfully say that this property is one of the best prospects on the market today. I believe that it will develop into one of the largest and richest mines in the country. Come and have a look and see. The manganese ore on the easterly claim was struck into in an open cut about 30 days ago, at a depth of about 10' under the iron stained hills.

BLAKE GIANT MINE

(See also Littlefield)



Note by G. M. Colvocoresses,  
November, 1937.

Located in Cunningham Pass near to the Critic. Group comprised of eight claims ( I think unpatented) and development work was done in the 1920's. I visited the property about 1925, but cannot find any detailed report or notes.

As I recall the work was done through an inclined shaft some 200' deep, but the vein was nearly vertical and from one narrow ore shoot some 50 to 60' in length several carloads of ore had been mined and shipped. The values were in gold and copper, the ore being similar to that mined from the Critic but not so rich.

The mine was equipped with gas engine and hoist and there were a few small buildings.

The ore shoot petered out in 1927 or 1928 when production ceased and I do not think that it has since been resumed.

I believe that the deposit merely represented a small tonnage of secondary ore and that nothing of any importance is likely to be found on these claims which seemed to be entirely abandoned in 1934.

B

C

NOTES RE BLACK DIAMOND MINE IN EAGLE TAIL MOUNTAINS.

Presented by owner, Ray Howland, of Mesa 11/18/36

Located in a bight in the north side of the Eagle Tail Mts. about 30 miles southeast from Wenden via Tolliday's Well.. In driving onroad from Phoenix via Buckeye to Salome go to Midway Well (where make inquiries) Road turns to left (southwest) and heads for Court House Rock but a short distance before reaching the rock turn to right and drive  $2\frac{1}{2}$  miles passing on north side of rock and then turning nearly due south for two miles to the Black Diamond Mine.

Howland now owns six claims and originally there were nine others which probably could be restaked. Mine was opened and worked by some Yuma people in the 1890's. One vertical shaft was sunk 90' and another 30', both are now inaccessible.

Country is porphyry (perhaps andesite porphyry) and the main contact with the andesite lies some distance further south.

There are several veins one of which, being mainly quartz and about 3' wide, yields surface samples with

Au-- $\phi$ 10.20 per ton

Ag- 2.8 oz. and Cu. 7%

Another vein onwhich shaft was sunk shows vein about one foot wide heavily mineralized with copper sulfids, oxides and carbonates, samples from this vein ran from 11 to 24% cu and about  $\phi$ 1.00 in gold and 3 oz. ag. Samples which Howland left with me came from this vein and it is very nice looking ore but vein would have to widen to have much real value and at present this can only be considered as a prospect which should be worth a visit.

Howland will drive out with me or Pete Smith of Harrisburg knows the property.

DISTRICT

Wenden, Arizona.

PROPERTY

Black Reef Copper Co.

LOCATION

Cunningham Pass - 9 miles north of Wenden.

OWNERS &  
OPERATORS

H. F. Willhalm, Mgr.

DATE VISITED

June 7, 1918, with L. F. S. Holland.

NOTES

Development work prospects a hard black dyke about 2-1/2 feet wide in gneiss. An inclined shaft about 400 feet deep - dip about 75°. A few hundred feet of drifting at various levels. Dyke shows considerable specularite siderite, and some chalcopyrite - occasionally fair sized bunches - but no commercial ore shoot. We descended only to 70 foot level, but Willhalm states there is no change from the surface to the lowest workings. I see no prospects of developing a commercial ore body. Willhalm now doing only surface prospecting with three men on small gash veins in gneiss showing 4" to 6" ore.

Equipped with 50 H.P. gas engine belted to 4 drill compressor. Also gas engine hoist. Black Reef Copper Co. said to have spent \$60,000 to date.

924.

Name - BLACK MOUNTAIN GROUP

Location - This property is located in the Cottonwood Mining District in Mohave County, Arizona, near Hackberry.

Date -- 1920 - by R. K. Looney

Notes - There is not engineer's report furnished and the data, which I am enclosing, is meagre. It is located three miles from the Santa Fe Railroad and the most interesting information given is that it adjoins a substantial mine owned by Senator Clark--the Copper Giant-- and the "Copper Giant" has a shaft down 750 feet with ore on all levels. Assay map of the entire workings show an average of 5 1/2 to 6% copper". I am offering the property on terms that will permit development before making any substantial payments. Should same appear worthy of your examination I will procure an option from the owners.

Yours very truly,

R.K. Looney - 1920

Name - BLAND MINE

Location - Black Canyon District

Notes:-

Bland Mine just north of Bumble Bee owned by Jeff Martin of same place.

Martin says (11-15-33) that some ore is developed in this mine and in another mine near by which should carry 0.6 ounces in gold, a little silver and copper. Some lower grade ore on the dumps.

Trucking to Humboldt would probably cost \$3.00 per ton. Ore should concentrate and shipments might amount to two or three tons per day.

District	Properties	Location	Owners & Operators	Date Visited	Notes.
Squaw Creek	Brooklyn	21.5 mi. S.E. Cordes. 13 mi. S.E. Horseshoe Ranch. Squaw Creek Mining Dist.	Douglas Q. Dunanson, resident on ground, who acquired property at tax sale in 1914. Idle since failure of Brooklyn-Arizona Mining Co., of which Frederick E. Small, President was indicted for fraudulent use of mails in 1913.	1917 July 24th.	Forty-one claims unpatented. Quartz veins running generally NW-SE in quartz diorite and granite. Belts of schistose granitic rock showing porphyry intrusions in places and occasional showings of copper carbonates. The veins do not cut through the overlying lavas and malpais. Main shaft, full of water, is 740' deep. The dump shows granite, quartz diorite and schist with rare showings of copper, usually associated with quartz. A little native copper occasionally shows on seams. N. W. of main shaft is a 60' incline on a 2' quartz vein showing azurite, malachite and bornite. West of shaft is a E-S acidic belt or dike. It is said that a crosscut was driven about 100' on the 740' level towards this belt but not within some hundreds of feet of reaching it. About 3000' S E six such schistose belts converge and show a very little copper as carbonates. The country rock is coarse granite. There are a few little cuts and tunnels along the creek (a tributary of Little Squaw Creek) showing iron stained schist with crushed and leached material alongside. N. W. of shaft is a mahogany colored schistose belt, shattered, with iron and a little copper in interstices. There are four wells, two of which are connected, consisting of shallow shafts sunk on schistose belts. The water in the 740' shaft is said to have nearly all come from above the 300' level. The best showing of ore on the property is in the 60' incline on 2' quartz vein N. W. of main shaft, and while the schistose and porphyritic belts have some possibilities of making ore in depth, the prospects on the whole are not very encouraging. There are a number of houses and buildings in good condition, a double drum steam hoist, two boilers, a Sullivan straight line air compressor, tools and other equipment on the property.

*Sometimes called*

*Brooklyn Arizona*

*See page 10*

BLACKWELL

Location: 12 miles NE Wickenburg

Owners &  
Operators: Chas. Blackwell of Wickenburg, Owner. H. A. Smith of Tucson has lease and bond. Making small production.

Visited: March 19, 1917. *by Holland*

Notes: A little copper in places but property is being operated for wulfenite. Incline 45° on ore body having siliceous dike for foot wall and iron stained altered granite for hanging wall. Best ore on hanging wall. Best ore on hanging wall where about 4' of material contains crystals of wulfenite in commercial quantities but operations have not been profitable hitherto. Mill no good. Sutton, Steele & Steele dry concentrator not yet installed.

Name - J. B. BLAND MINE

Location - Hillside

Notes:-

Located thirty-eight miles from Hillside. 8 miles owned by widow of J. B. Bland.

Under lease to H. Hubbard who has shipped one car to Magma, assaying \$46 in Au. and Ag. and 1% Cu. Pay streak is from 18" to 30" wide and is getting into heavy lead ore. Lease has 18 months yet to run. Possible small producer of lead ore or concentrates.

G. J. HARBAUER  
July 17, 1929

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DISTRICT:

Stockton Hill - Kingman

PROPERTY:

Blue Bell Claim

LOCATION:

North of the Arizona Buttes and about 18 miles from Kingman, Arizona.

OWNERS:

Unknown, but Mr. Goodwill of Stockton Hill has property under lease, although he is not working it at the present time.

DATE VISITED:

September 2, 1919

NOTES:

Geology

Pre Cambrian complex, very similar to Arizona Buttes.

Vein a fissure of movement showing quartz filling about 2 feet in width. Primary ore a siliceous gray copper bearing rock, values shown by sample No. 1 and 2. Leached with subsequent deposition of oxidized ores, carrying values similar to sample No. 1. A dump of this grade of material of ten tons at the mouth of a shallow tunnel, very little showing in tunnel since ore cut across tunnel, and this ore represents what was taken from about twenty five feet in length of vein. Possibility of obtaining about 200 tons of this material from oxidized zone above tunnel level, although two or three short cross-cuts of 5 to 15 feet would be necessary to determine this.

Conclusion

A small leasing proposition, since oxidized ores would have to be depended on for production.

<u>Sample No.</u>	<u>Au.</u>	<u>Ag.</u>	<u>Cu.</u>	
1	.04	35.35	8.28	Dump
2	.14	11.02	.83	Dump
3	.04	3.12	.27	Dump

Copied

DISTRICT Bouse, Arizona.

PROPERTY Blue Slate Group.

LOCATION 7 miles from Bouse. 1 mile off the Parker Road.

OWNER Leased by J. D. McDonald. Owned by Tom Bouse, Bouse, Arizona.

DATE VISITED Feb. 5, 1919. By J. L. White.

NOTES

Eight claims located in low rounded hills. Deep red from iron except where covered with black lime.

The ore is a contact deposit of iron between lime and schist, considerable copper in the form of carbonate and silicate occurring with the iron.

Where the present work is being done is near the top of a low lime covered hill. The ore has been mined out, leaving a thin shell of lime supported by a few stulls and pillars.

The present working face shows iron three to four feet thick.

Three cars of ore have been shipped, two of them slightly over 6% copper, the third 4.8% copper.

It would appear that leaser may make it pay with copper above 20¢.

The chance of opening up a sizeable body of ore is small.

*Poland*

Property: Blue Rock Mine

District: Hassayampa - Yavapai County

Location: About one-half mile from Poland in Blue Rock Canyon.

Owners: Blue Rock Mining & Milling Association, 117 North Cortez Street, Prescott, Arizona. L. E. Hesla and Ralph K. Fisher interested.

Date Visited: July 17th 1922, by H. S. McKnight.

Notes: Property consists of one claim held by location. Not operating at present. One shaft down 40 feet on vein dipping about 60° and filled with water. New shaft about 50 feet south of 40-ft shaft and at slightly higher elevation is down 15 to 20 ft, and is also filled with water. Lead-silver ore running from 10% up in lead and about 10% zinc; some copper; said to carry as high as 75 ozs of silver per ton. The outcrop could not be seen because of several feet of soil and loose float. The shafts being filled with water, no examination nor sampling of the vein could be done. Small quantities of ore on the dumps showed it to be a lead ore carrying zinc.

DISTRICT	PROPERTIES	LOCATION	OWNERS & OPERATORS	DATE VISITED	NOTES
Wickenburg, Yavapai County, Arizona.	Blue Ridge	Constellation, N.W. of Monte Cristo Mine. 4 claims un- patented. Elevation 3000.	John Gace and E. L. Baird. Idle Pros- pect.	October 13, 1917.	<p>Pegmatitic quartz in granite, occasionally showing a little copper and lead. A 60' adit runs N 50 W. 10' in adit is winze 8' deep with slight dip N 20 E and having a basic dike for foot wall. A sample across 4' of glassy quartz at breast assayed (H277) a trace of gold and silver. Samples brought by Gace to Humboldt in August, 1917, assayed (137) Au. 9.92 oz; Ag. 1.72 oz; and (138) Au. 0.82 oz; Ag. 4.08 oz; Pb 6.0%; Cu. 2.80%, evidently picked specimens.</p> <p>An inaccessible 60' shaft shows a lens of quartz, maximum width 20" in coarse granite (pegmatite), and there is a 20' incline showing 24" - 30" quartz in pegmatite. To the West are "blowouts" of pegmatitic quartz.</p> <p>Prospect apparently of no commercial value.</p>

*L. F. A.*

DISTRICT: Big Bug ✓  
PROPERTY: Blue Ribbon  
LOCATION: 2 Claims East side and 7 claims west side of  
Agua Fria River, about 2 miles north of Horse Shoe  
Ranch  
OWNERS: Frank Giroux and Berry - Mayer, Arizona.  
DATE VISITED: July 25, 1919

NOTES:

Geology

Stock of Hornblende Diorite with intrusions of Rhyolite, Kersantite, Andesite and Quartz porphyry, greatly fractured and sheared. Only mineral occurs in shear zones accompanying a blue quartz.

Development

One shaft east side river over 100' deep, from which several cars of high grade ore were shipped, consisting of oxide and carbonate in an iron and quartz gangur.

Second shaft east side of river about sixty feet deep, showing some material. At other points on property are small bundles of this quartz carrying copper.

Shaft from which ore was shipped in bad condition and probability of more ore not good. Wagon haul - cost \$7.00 to \$10.00 per ton over a poor road to Cordes Siding.

Property of no value, the leasers might get small tonnage of ore of fair grade.

Not worthy of further consideration.

W.V.DeC.

DISTRICT Black Hills  
PROPERTY Blue Monster  
LOCATION 5 miles east of Cherry on road to Camp Verde  
and Clarkdale.  
OWNERS &  
OPERATORS Blue Monster Copper Co. Tom Sutcliffe in charge.  
DATE VISITED July 5th, 1918, by F. R. Corwin and E. S. Smith.

NOTES

An iron-stained basic dyke, cutting quartz-diorite. A vertical prospect shaft 210 feet deep with a level started at 150 feet. Here there are drifts ten feet north and south on the dyke which is much broken and shows iron stain on all fracture planes. A short east crosscut shows dyke to be 10 feet wide here. Drifts, (according to Sutcliffe) assay 1/2% Cu., no gold or silver. My random sample of south drift, Au. Nil, Ag. Trace, Cu. 0.11%. Very small bunches of good grade sulphide ore have occasionally been encountered. Some picked pieces from the dump ran Au. Trace, Ag. 0.4 oz., Cu. 7.92%. Property equipped with small steam hoist. Hand drilling. Intend to continue sinking and drifting on 150 foot level. Sutcliff stated that between 86 and 108 feet the shaft passed through a body of ore containing no gold or silver and 2% Cu., mostly sulphides. This ore shoot said to dip about 50° E. and probably connects with small outcrop 70 feet west of the shaft.

July 6th. Sutcliff brought to Humboldt sample representing "ore" just encountered in north drift at 150 foot level and which he thought might be shipping grade. Humboldt assays, Au. Nil, Ag. ~~xx~~ Nil, Cu. Trace. An unpromising prospect.

E. S. S.

Name - BLUE JOHN

Location - Near Walker

Notes:-

Information From Geo. A. Harbauer written in 1927.

"The Blue John Mine near Walker and close to the Sheldon Mine. On this property there is an ore shoot opened up on the 100 ft. level which has a back of 180 feet, and which has a width of from 3 to 7 feet. The owner says the ore will assay Gold .40 oz., Silver 21.0 oz., Lead 8% Zinc 11%, and Copper 3.5%. The level is under water now but it can be pumped out as there is a pump in place. Quite a pile of ore remains on the dump which was taken out on development work, and which looks like ideal ore for selective flotation."

BLUE BIRD MINE

CAVE CREEK

October 1914, brought to our attention by W. E. Thomas, owner, and visited by Mr. G. M. Colvocoresses.

Location 45-miles north (?) of Phoenix and 50-miles from the Ash Fork - Phoenix railroad.

A prospect - only development work one 100-foot shaft with 100 to 200 feet of drifting at the 100 foot level, all inaccessible at the time of visit. Ore on dump was a very heavy pyrite with fair values in gold and copper, samples taken by Mr. Colvocoresses averaging Au. 0.23; Ag. 0.23; Cu. 1.7%; Fe. 46.4%; Insol. 5.1%.

*See Red Book file*

*for list*

*Grade of hole is 37*

DISTRICT: Crown King

Property: Blue Bird Mine

Operator: M. A. Strain.

Location: About 3/4 mile NE of Lincoln Mill, North of Crown King.

Visited: August 6, 1926, by D. M. Barringer, Jr.

Notes: The seemingly fairly extensive workings on the property were practically all inaccessible at the time of the visit. Strain has recently, however, sunk a 50' shaft on the vein, which is said to be a continuation of the Lincoln vein, and drifted 30' on the 50' level. The shaft is about 150' NE of an old caved shaft, said to be 200' deep, from which a good deal of stoping had been done; and the new drift runs toward the old shaft. One of the old stopes connects with the new shaft about 20' down. The new shaft and the drift are both in 2½' to 3' of milling ore, which carries chiefly Pb, with a little Zn. 50# were taken from the muck-pile of the last round in the drift, to be sent to Tooele. This ran: Au, Ag, Pb, Zn, Cu, Fe, S, CaO, Insol. .

Strain is operating a small mill on the Lincoln, in which he expects to start treating Blue Bird ore next week. (Mill now treating Del Pasco oxidized gold ore). Will make collective concentrate, shipping to El Paso. Mill makes about 600 to 800# concentrates per day on Del Pasco, may do better on Blue Bird, as the ore is softer and seems to have much higher total metal content.

Undeveloped prospect, but what work has been done looks very encouraging for prospects of milling ore. About 12" on hanging wall is heavy galena ore, which should be suitable for shipment. Strain says the whole 3' will carry 40 Oz. Ag.

*DMB*

*Bowyer*

C

NAME BOWYER GOLD AND COPPER COMPANY.

DISTRICT Weaver, Arizona.

LOCATION 30 Miles southwest of Bouse, Arizona.

OWNERS Bowyer Gold and Copper Company.

DATE VISITED May 1st, 1923. H. S. McKnight.

NOTES:

The property consists of seven full sized claims held by location.

The ores are copper ores, mostly oxidized, containing gold and silver. The minerals observed were malachite, cuprite, chalcocite, chalcopyrite, and hematite, but very little chalcopyrite was seen. There are two mineralized veins occurring at or near a limestone schist contact. The veins are about 200 ft. apart, are parallel and strike NW-SE with a dip toward the NE of approximately 30 degrees.

The lower or south vein is partly developed by an inclined shaft 600 ft. deep from which two H.W. crosscuts have been driven about 75 ft. Was unable to see these workings because of gas from recent blasting. All of the workings are said to be in ore averaging 5% copper, \$7.00 gold and 6 oz. silver. The width of this vein is unknown but at the surface at the collar of the shaft it appears to be from 6 to 8 ft. wide. This vein has a limestone foot-wall.

The north vein is undeveloped except by a few small open cuts. It is 12 ft. wide in one of these cuts east of the above shaft and I was told that samples taken here showed the vein to average 12% copper and \$22.00 in gold and silver. Appearances would indicate an average of about 3% Cu. This vein is apparently in the schist but there is a silicious limestone in places in the foot-wall.

The lengths of the veins are unknown. No stoping has been done to date but preparations are being made to stope from the 600 ft. shaft and their intentions are also to glory hole the ore at the surface.

24 men are now employed and a contractor is hauling machinery and constructing a 150 ton flotation mill which he expects to put into operation about the first of September.

The mill machinery consists of Blake and Dodge crushers, Harding ball mill, Donrclassifier, K & K flotation machines and Wilfley tables. Will use Fairbanks-Morse Y type engines to generate power.

Will sulphidize the ores and float, tabling the tailings from the flotation machines. Satisfactory sulphidizing and flotation tests are said to have been made by the K & K people.

The water is obtained from a 300 ft. well one mile west of the camp where an abundance of good water is obtainable. The camp is about 6 miles east of the Colorado River.

The property is 12 miles from the nearest point on the railroad which is about half way between Bouse and Parker.

The property has a good showing of oxidized copper ore but little development has been done and practically no positive ore is blocked out.

The owners are apparently confident of making a satisfactory extraction by sulphidizing and floating, leaching tests have ~~any~~ proven unsatisfactory.

*A. S. Wright*

0.7

District	Properties	Location	Owners & Operators	Date Visited	Notes
Bagdad, Yavapai County	Bozarth	3/4 mi. Bagdad Camp. 2 claims.	J. A. Bozarth. Idle.	Date 1917 Aug. 25th	Fractured zone in quartz porphyry and alaskite. Tunnel 100' long runs N 40 W with slight dip W. on the fractured zone. Some small quartz lenses and seams show and there is generally calcite on the hanging wall. A sample of 1' of calcite mixed with country rock, showing a few copper stains, assayed (H-156) Au. 0.02 oz; Ag. 6.10 oz. The quartz lenses, a few inches thick, show coarse pyrite and a little copper. A sample of this quartz and pyrite from about two tons on the dump assayed (H-157) Au. 0.01 oz; Ag. 5.55 oz. Unattractive prospect.

*Bozarth*

*Phillips lens*

DISTRICT

Wenden, Arizona.

PROPERTY

Dick Bullard

LOCATION

Cunningham Pass - 11 mi. north of Wenden.

OWNERS &  
OPERATORS

R. W. Bullard, Congress Junction, owner.  
C. E. Fugatt, lessee.

DATE VISITED

June 7, 1918, by L. F. S. Holland and E. S. Smith.

NOTES

A vein of 10 in. to 14 in. of good grade copper-gold ore occurring on the contact of a greenstone dyke with the gneiss. Sorted ore being shipped to Douglas runs au. 1 to 2 oz.; Ag. 1 to 2 oz.; Cu. 10 to 15%; Insol. 50 to 60%; Fe 10 to 20%. Did not go underground, but judging from long open cut in which Fugatt was working, ore shoot persists for considerable distance in strike. Fugatt said inclined shaft was about 250 feet deep. His partner and a helper were drifting on that level in ore shoot of same size and character as shown in the open cut. Fugatt said nearly all the ore above the 250 level was unstoped. The property looks like a good leasers' proposition and should produce 100 to 200 tons per month of good grade ore. Fugatt had promised to sign a contract with the Copper Queen Smelter and was daily expecting the papers, which, however, were long in coming, he stated.

E. S. S.

*Copied*

District	Properties	Location	Owners & Operators	Date Visited	Notes.
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Squaw Creek	Brooklyn	21.5 mi. S.E. Cordes. 13 mi. S.E. Horseshoe Ranch. Squaw Creek Mining Dist.	Douglas Q. Dunanson, resident on ground, who acquired property at tax sale in 1914. Idle since failure of Brooklyn-Arizona Mining Co., of which Frederick E. Small, President was indicted for fraudulent use of mails in 1913.	1917 July 24th.
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Forty-one claims unpatented. Quartz veins running generally NW-SE in quartz diorite and granite. Belts of schistose granitic rock showing porphyry intrusions in places and occasional showings of copper carbonates. The veins do not cut through the overlying lavas and malpais. Main shaft, full of water, is 740' deep. The dump shows granite, quartz diorite and schist with rare showings of copper, usually associated with quartz. A little native copper occasionally shows on seams. N. W. of main shaft is a 60' incline on a 2' quartz vein showing azurite, malachite and bornite. West of shaft is a N-S acidic belt or dike. It is said that a crosscut was driven about 100' on the 740' level towards this belt but not within some hundreds of feet of reaching it. About 3000' S E six such schistose belts converge and show a very little copper as carbonates. The country rock is coarse granite. There are a few little cuts and tunnels along the creek (a tributary of Little Squaw Creek) showing iron stained schist with crushed and leached material alongside. N. W. of shaft is a mahogany colored schistose belt, shattered, with iron and a little copper in interstices. There are four wells, two of which are connected, consisting of shallow shafts sunk on schistose belts. The water in the 740' shaft is said to have nearly all come from above the 300' level. The best showing of ore on the property is in the 60' incline on 2' quartz vein N. W. of main shaft, and while the schistose and porphyritic belts have some possibilities of making ore in depth, the prospects on the whole are not very encouraging. There are a number of houses and buildings in good condition, a double drum steam hoist, two boilers, a Sullivan straight line air compressor, tools and other equipment on the property.

*Sometimes called*

*Brooklyn Arizona*

*Is*

# BURNALL MINE

SAN DOMINGO WASH

1/30/34

Antonio Maldonado (friend of John the Janitor in Luhrs Tower) Res. 1902 E. Adams St, Phoenix, has two claims up San Domingo wash and 9 <sup>miles</sup> ~~hours~~ from Hot Springs Junction. They are across the wash from the White Cloud, now being worked under lease by Foster.

Turn to left at Millson camp. Has a vein about 18" wide, rusty quartz and iron oxide with copper stains and claims that it carried gold values. One assay \$92.00 per ton. Only a prospect with a few surface pits. Property once owned by Burnal. (SEE RATS NEST, WHITE CLOUD, BUNAL) *Smith*

Says that every night they hear sounds of a man working in the pits with a pick but no one is there. Burnal was murdered there and Antonio thinks it may be his ghost.

(See next page)

B<sup>11</sup>

H. Lester

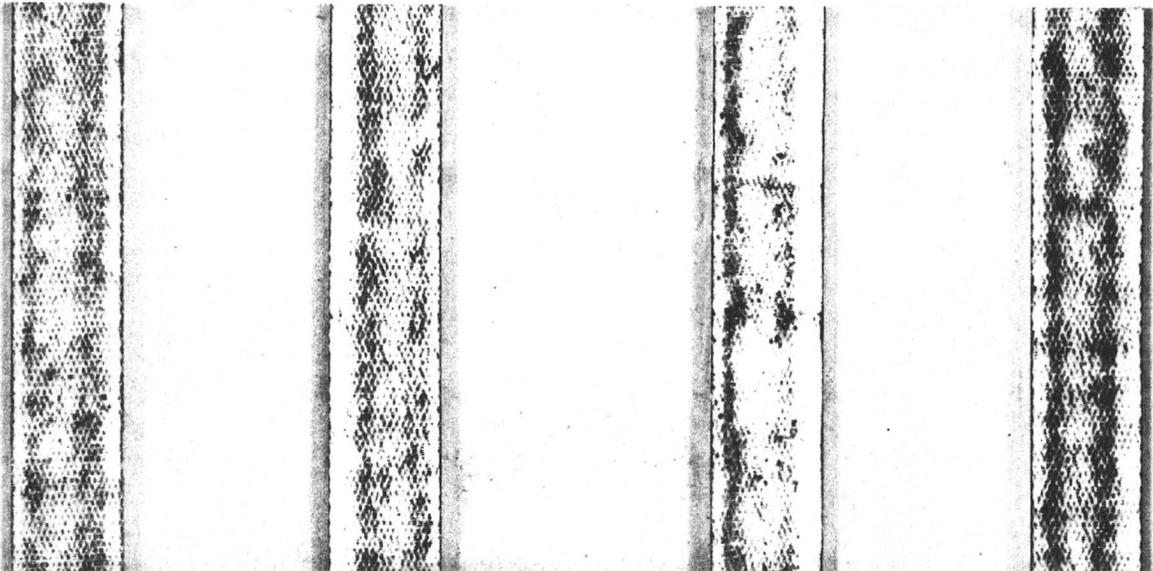
BURNALL MINE

9/23. '31

According to Willson, <sup>who</sup> he was at one time foreman on the property. The White Cloud or Burnall mine has a strong vein which can be traced for a considerable distance on the surface and dips 30 or 40°. H. Wm. Stevens sunk a vertical shaft to get to this vein and intersected it at a depth of 115' where it was pinched and barren. Stevens continued to sink ~~it~~ to a depth of 400' believing that he had not found the true vein, but nothing further was discovered.

minutes

Burnall had mined high grade ore in another vein or on a different portion of the same vein and had treated this in an arrastra and made money until he struck sulphides. Some of the sulphides are said to contain better than 50% lead, 20 ounces in silver and \$15.00 in gold and it is supposed, but not known, that similar material was found in the bottom of Burnall's shaft which is now filled for a short distance with rubbish and contains some water. Willson states that a small amount of work would suffice to clean out this shaft and if such ore were found to exist there it should be well worth working, but no one actually knows what Burnall had found. This also should be worth some further investigation.



NOTES ON BURNALL MINE

White Cloud Pat. Claim

Location: White Picacho Dist.

Yavapai Co., Ariz.

9 Miles from Hot Springs Jet. - Road to Castle Hot Spgs - 5 miles

thence to San Domingo Wash and up wash to Nilson Mine; thence  $\frac{1}{2}$

mile to W. Cloud.

Owner: Mrs F. B. Ferra, 321 So. Granite, Prescott, daughter of Burnall.

taxes paid - open ground ady.

Geology: Schist (?)

Quartz Vein (4 ft) Chute 500 feet long

Ore - Au, Ag, Cu, ~~Pb~~

Development: 2 shafts (117'  
(400')

No work done since operated by Trilby Mining Co. in 1906, H. Wm. Stevens, Mgr.

10 stamp mill on ground. 400' shaft caved, 117' shaft has few feet of water. Ore was worked in arrastre.

Property under lease to Alton, H. S. Jet. who will release.

Price \$10,000 - 1st pmt. 60 days; bal. over 2 or 3 years

Guadalupe Barnell, Locator

Records in Yavapai Co.

*Since made by Geo. Harbison Aug. 31.  
(See next page)*

Name - BURNALL Mine

Location- Castle Creek

Notes -

Information concerning the Burnall Mine was given me by an old Swede, Mr. Nillson, who appeared to be quite a reliable miner and who had worked on the property many years ago and was Foreman for Mr. Stevens.

Nillson stated that the quartz vein dipped at an angle of about 30° and the surface was comparatively poor except at one or two points where there were pockets of high grade ore which were taken out by Burnall.

Stevens sunk a vertical shaft intending to hit the vein at about 200' but actually struck it at 115' where it was narrow and low in values. Stevens didn't believe that this was the main vein and continued to sink it over 400' but found nothing further and finally quit.

Another shaft was sunk at Burnall right on the vein and presumably on a high grade shoot of ore since he appeared to make money from his operations, but finally struck material which he could no longer treat in his arrastra. Some of the ore from this shaft or from a showing nearby is said to have contained upwards of 50% of lead, some 20 ounces of silver and \$15.00 in gold, which is obviously very high grade material and Nillson told me that a weeks' work by two men would be sufficient to clean out the Burnall shaft and determine whether there was any quantity of similar material left in the bottom in which case the ore could be mined with substantial profit as long as it held up in grade.

BURRO MINE

(Note by G. M. Colvocoresses)

October, 1937

In 1934 I was told that this property had been sampled by Beckwith, a reliable engineer, who had estimated a total of 2,000,000 tons of gold ore with an average value of \$3.00 per ton (at old price) but I greatly doubt this statement as I could never obtain any copy of the report or confirmation of the statement.

About a year later it was partially sampled by an experienced prospector named Robertson who told me that most of his samples ran only a few cents to the ton and I have learned that similar results were obtained by others.

I believe that Holland's opinion may be considered as correct unless some very recent developments have changed the situation.

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BURRO MINE

District: Bagdad

Location: On a branch running N.W. of Burro Creek in Mohave County 22 miles S.W. of Bagdad Camp, about 12 miles from Signal. Elevation 2000'. 1 patented claim; perhaps others unpatented.

Owners & Operators:; No information. Idle.

Date Visited: Aug. 29th, 1917.

NOTES:

Formation, lava flows, coarse breccias and rhyolite. A tunnel is driven 70' South, then 25' S.W. in calc-spar more or less mixed with porphyritic material. Black manganese is plentiful throughout the tunnel. The breast shows more porphyritic material and quartz veinlets, and less manganese, than elsewhere in the workings. 70' from the portal is a 5' cut showing calc-spar heavily stained with black manganese. A general sample of the little dump at the portal, consisting of manganese stained calc-spar and porphyritic material, with quartz veinlets assayed (H-173): Au. 0.01 oz.; Ag. 0.39 oz.

On the surface, the body of spar and porphyry is about 100' wide, but apparently ceases 300' south of the tunnel where it abuts



against rhyolite and lava.

To the N.W. on Burro Creek, is a big ledge made up of calcite and quartz, strike N 70 W, slight dip S.E. 100' S.E. is another smaller parallel ledge 10' wide. The green country rock is granitic and very siliceous. Where the ledges are water-worn in the bed of the creek they show much shattering. The ground mass is rhyolite and the cracks are filled with pinkish quartz and calc spar.

The scanty remains of an old camp, and a piece of apparatus, nearly buried, which looks like an amalgamating barrel, are all that remain of any equipment there may have been in the past.

The property appears to me to be absolutely worthless under any conditions, but I understood that every few months different engineers make the very hard trip to examine it.

Report by Holland.

Tucson, June 17th 1924.

Mr G.M. Colvocoresses  
% Southwest Metals Company  
Hunboldt, Arizona.

*6/19*  
*124*  
*Q*  
BUTLER

Dear Sir:

I am in receipt of your letter in regards the Arsenical Mine Near Patagonia, and on the same mail I am receipt of the assays on the ore from the Chipman Chemical Engr, Co. they no doubt advised you also it was .80 in Gold 3.09 in silver and ~~5.15% Arsenic~~ 15.15% Arsenic. Which was a general average sample over 6 feet of ore in the 100 foot shaft with 1300 ft of Backs. This sounds good and the vein is very strong .

Now Mr F. M Manson has called on me he is the Managing Director of the Chipman Engr. Co. and Sunday he went to Nogales in view of examining the Mine and I hope he will find everything as we represented it.

As I stated I do not know anything about this what it is worth or handling it and as you might be interested in this for a Bond and lease as you stated we can make you an awfull good deal on this mine and I believe it will be a substantial producer from the strat. You can start shipping at once as the ore is there. After you recieve word of examination , I wish you would correspond farther in respect of taking it over.

This lies close to the Railroad and can be easily hauled for low costs and mining conditions favorable. Wish you would advise me what this ore is worth and treatment charges on it so we can figure out for ourselves I believe after this gets into the Suplhides it should increase in Arsenical values. Hoping you are still interested in this . I remain.

Yours Very Resp.

*EA Butler*

228 North Stone Avenue.



Mayer

DISTRICT

Big Bug

PROPERTY

Butternut Mine

LOCATION

1½ miles southwest of Poland Junction and 4000 feet in air line from S.F. P. & P. Ry.

OWNERS AND OPERATORS

Big Ledge Copper Co.

DATE VISITED

October 1, 1918, by E. S. Smith.

NOTES

Went underground with John O'Brien, Foreman. Orebodies occur as lenses in schist. Ore mineral is chiefly chalcopyrite associated with pyrite. The property is opened by levels at 150, 300 and 425 feet from a poor two-compartment shaft which is vertical for 150 feet and from there down follows the dip of the formation, about 70°. The 150 foot level was driven many years ago and has not been touched by the present operators. The 300 foot level is developed by a drift running 300 feet north and 150 feet south from the shaft. The 425 foot level is developed by a drift running 400 feet north and 200 feet south from the shaft. Two orebodies have been worked - one north and one south of the shaft. According to O'Brien, the south orebody was stoped by Fennell and Davis from the 300 level to the surface. They are said to have had a shoot 100 feet long by 3 feet wide of very good grade ore and shipments were made to the Val Verde and El Paso Smelters. In 1917 the Big Ledge Copper Co. stoped this orebody between the 425 and 300 levels and shipped the ore to its smelter at Mayer. The orebody seems to have been larger on the 425 level (about 150 feet by 5 feet) and, O'Brien states, carried 4% copper.

The north orebody on the 300 level was apparently 70 to 80 feet long and 8 to 10 feet wide and very low grade. O'Brien said it would run 2½% copper. A shrinkage stope was carried up 60 feet above the level, the better grade ore sorted out in the stope and sent to the Mayer Smelter. Since the broken ore left in the stope is well up to the back about 1/3 of the ore must have been sorted and shipped. The ore in the back is sulphide.

On the 425 level north of the shaft there is ore or "near ore" for some 250 feet in the drift. O'Brien claims a stope sill could be cut 250 feet long and 7 feet wide averaging 2½% copper. This I do not believe, as the ore is not in a continuous lense with well defined walls, but is in bunches, and small bunches at that. In what is apparently the best of this ore a sill 40 feet long with a maximum width of 17 feet has been cut and timbered. Three cars of ore broken here were shipped to Humboldt in September, 1918, and ran as follows:

	Au.	Ag.	Cu.	Insol.	Fe	CaO	S	Zn
1.	0.025	0.92	2.86	48.8	14.2	0.8	9.3	
2.	0.02	0.80	3.31	44.0	15.1	0.7	9.5	4.3
3.	0.02	0.60	2.42	51.6	13.1	0.6	3.8	3.1

At this time then, the smaller and higher grade orebody has been mined out above the 425 level and above this level (so far as the property is opened up) there appears to be only 10,000 to 25,000 tons of possible ore carrying about \$1.00 per ton in

#2 - Big Bug District - Butternut Mine. (Cont.)

gold and silver and less than  $2\frac{1}{2}\%$  copper. The present shaft is only a prospect shaft and it would be difficult to hoist more than 75 to 100 tons a day through it if the ore were available.

A new 3 compartment vertical shaft has been started 150 feet down the hill from the old one and with its collar about 80 feet lower. The new shaft is down 68 feet and Trebilcock said he hoped to be authorized to proceed with it and carry it to at least 500 and do some prospecting at that level or deeper.

Plans have been made to erect an aerial tramway to the nearest point on the main line of the Prescott & Eastern Ry. (some 3800 feet distant) and the ropes for this have already been received. Trebilcock said that was LeDuc's idea, but since his death it has been decided that the tramway, if built, will run to Henrietta Siding, having in mind the possibility of some day building a mill to treat there the ore from both the Henrietta and Butternut Mines. This route for the tram would be 2000 feet longer. In any event, erection of the tram will await further developments of the Butternut Mine.

The ore shipped to Humboldt was hauled by truck to Henrietta Siding at a cost of \$150 per ton. The Butternut is now idle (except that the water is kept out by an hour's pumping every second day) and it is evidently improbable that any production will be made from it within the next year.