



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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MINOR

copied

PROPERTY: ARIZONA REDLANDS COPPER CO. (Miner)
VISITED : August 8, 1925, By D. F. Reed.
NOTES : A. D. Parr, Trustee, in charge. A. Blumenauer in charge
mining operations.

No work was being done at the time of my visit, but there were several men on the property and Parr expected to commence mining the next day.

The workings consist of a shaft 135' deep. A drift about 25' below the collar of this shaft and another drift at the 100' level running about 100 feet north from the shaft. This drift had followed along the lead and there were showings of oxidized ores in the back but not persistent nor wide, in no place more than six or eight inches. At the north end of the drift on this level was the starting of a winze. This was down about five feet below the level and exposed a vein twelve to sixteen inches wide of pure chalcopyrite, probably the top of an ore shoot. This was the only ore in commercial quantity or grade which I saw on the property.

The shaft is new but poorly placed. A hoist and compressor are on the ground and placed and several buildings have been erected.

I believe it will be some time before we receive any more shipments from this source.

The Barbara company are still sinking their shaft and are down about 300 feet. They intend to crosscut on the 300 level.

Additional notes by D.R. Reed, accompanied by K. Williams.

Visited October 23, 1925.

Shaft now down 250'. Cross-cut on that level in 30' from shaft. Expect to strike vein and ore at 40' in three days. Have vein 42" wide, 12.24% cu. uncovered for length of over 25' in bottom of 100 level. Rich sulphide ore. Drift on 250 will be under this. L.J.Soper of Redlands at property and in charge. A.L. Blumenaur of Mayer in charge of mining. Hope to have car of shipping ore in two weeks. Well rock (chlorite schist) at bottom of shaft and all along cross-cut on 250 level; is impregnated with sulphides (chalcopyrite and pyrite) along seams of fracture planes. Will probably assay 1% to 1½%.

District	Property	Location	Owners & Operators	Date Visited	Notes
Copper Mtn.	Minor		Frank Thornton & Minnie Mayer Being Operated by E. Blumbenaur for L.J.Soper & Co of Los Angeles, Leasers.	April 7, 1925. D.F.Reed	<p>The Minor Claims lie, adjoining the Barbara on the west, on Copper Mountain about four miles east of Mayer.</p> <p>Did not see any of the men in charge who were away at time of my visit. One of the workmen said that the good ore came from the bottom of a drift which was at the bottom of a small shaft about 100 feet deep..Some fifteen tons of good ore on platform at dump.</p> <p>They have shipped us two cars in the last thirty days. One lot ran Au.0.07; Ag 0.73; Cu. 10.35; Fe.11.55; Insol. 60.60. The other lot ran Au. 0.08; Ag. 10.82; Cu.16.61; Fe. 20.6; Insol. 28.9.</p> <p>No possibility of large tonnage with present showing or equipment. Ore must be shoveled into trucks from platform and hauled five to six miles to the railroad over poor road. Equipment is prospectors equipment only.</p>

See next page

District	Properties	Location	Owners & Operators	Date Visited	Notes
Copper Mountain, Navajo County.	Minor	Adjoining Old Stoddard Mine; 2½ mi. south Binghamton Mine; 3½ mi. Agua Fria Mining Dist.	Location notice dated 1906, signed by Marshall R. Stoddard. Frank Thornton and Burr Mayer said to own one-half each, according to Mexican working on Old Stoddard. Idle.	1917 August 2nd.	35' shaft, with windlass, on E-W belt of siliceous schist, with slight copper stains. Quartz diorite near. Few little pits showing material of same character. Few sacks of ore having very lean appearance if intended for shipping. A pile of new gunny sacks labeled "Big Bug Copper Company" nearby and a tent house locked up. The surface showings are not nearly so good as on the adjoining Old Stoddard (Copper Mountain Mining Company) claims.

Worked in ^{early} 1938 by Joe Crane under lease & some small shipments made.
 Mine very suitable for lessee.

Mine file

Letth Brady
M

THE MONITOR GROUP OF MINING CLAIMS

Are situated in the Mineral Creek Mining District, Pinal County, Arizona, and consists of 12 full claims: the Monitor, Richmond, Tucson, Admiral Dewey, Mountain Maid, Merrimac, Cumberland, Twentieth Century, Woodrow Wilson, Black Eagle, Star and Tip Top. (Since this report was written the number of claims has been increased to 13.)

These claims lie near the northern end and on the eastern branch of Mineral Creek at an elevation of about 3500 feet and about 5 miles north of Ray Consolidated Company's mines. There is an abundance of pure spring water on the Monitor claim.

FORMATION: The general formation or country rock of the group is lime and porphyry with occasional intrusions of igneous rock. The inclination of the rock strata is to the ~~South~~ ^{North}, while the pitch of the veins is uniformly to the north. The main vein on the Monitor and Richmond claims lies in a contact between lime and porphyry. The ores of the Monitor, Richmond, Dewey, Tucson Cumberland and Merrimac are remarkably uniform in grade and character. They consist of copper sulphides and sulphurets, cuprite, virgin silver, bromides sulphides and chloride of silver. The ores of the Mountain Maid and Twentieth Century show a predominance of lead.

WORKINGS ON THE MONITOR CLAIM: Shaft 80 feet deep shows high grade ore all the way down, the vein widening with depth. Vein about 6 feet assays 200 oz silver and 35% copper. Tunnel 262 feet, the vein exposed in this tunnel is over 6 feet wide and carries copper sulphides. A general sample from wall to wall assays 7% copper and 60 oz silver per ton.

There are also 5 smaller veins on the Monitor running parallel with the main vein, 2 on the south side and 3 on the north. On the first south vein and near the 80 foot shaft above described, a shaft 20 feet deep shows a pay streak in porphyry about 4 feet wide, samples of which assay 75 oz silver and 25 % copper. On the next vein south a 30 foot shaft. The pay streak shown is about 3 feet wide with the same high grade ore .

The first vein north of the main vein shows some high grade lead and copper ore on the surface, but it has not been developed.

The second vein north of the main vein has been prospected by a 60 foot tunnel driven in the vein. This tunnel shows pay ore from face to breast, the pay syteark being about 3 feet wide and sample assays give a general average of 50 oz silver and 27% copper.

About 50 feet from the face of the 262 foot tunnel s draift has been driven in the country rock and has a winze at the breast about 10 feet deep which taps a spring of pure water and which flow continuously.

WORKINGS ON THE RICHMOND: The Richmond claim is the west extension of the Monitor and its central vein is a continuation of the Monitor vein. Near the east end line of this claim a shaft 110 feet with a 30 ft crosscut at the bottom exposes an ore body 27 in in width, assaying 200 oz silver and 27% ~~and~~ copper/ 300 feet westva shaft 40 feet deep shows a pay streak about 3 feet in width from top to bottom. Along the central vein a tunnel was run to connect

Monitor Mine

THE GLOBE MINERAL EXPLORATION COMPANY, LTD.

Head Offices
11-12 Clements Lane, Lombard St.,
London, Eng.

Riverside, Pinal County, A.T. Oct 27, 1900

Mr. Thos Haley,
Ray, Arizona.

Dear Sir:

It was impossible for me to see you again after examining your property and under the circumstances at present I am rushed so much that I cannot give you any definite answer to your proposition. I made a pretty careful examination. I am convinced that considerable ore bodies can be opened up. I shall send you copy of my report when I have finished the same, which will be in a week or so. Shall let you know definitely. The samples I took gave the following results:

- No. 1 Monitor lower workings where boys are working now,
4 ft of vein sampled Copper 16.1% Silver 39.7 oz
- No. 2 The same place second grade ore on dump
Copper 7.2 % Silver 13.5 oz
- No 3 Average sample across ledge on Dewey Claim
Copper 10% Silver 52.5 oz
- No. 4 Solid ore from Dewey claim- blackish ore
Copper 29.2 % Silver 923.0 oz
- No 5 Sample second grade ore on dump upper Richmond workings
Copper 13.0 % Silver 54.10z
- NO 6 31 tons ore on Monitor near Richmond
Copper 11.6 % Silver 23.2 oz
- No 7 Sample of silver ore on Monitor near Richmond
Copper 29.5 % Silver 60.0 oz

The samples were very flattering indeed, I did not attempt, of course, to get high assays, but as conservative as possible, I have not had returns yet from Anaconda. The Monitor lower workings were very encouraging, I advise to sink if possible, as there are two converging veins, which are liable to make a good size ore body. Mr. Hill was on the ground, but we are quite absorbed by Ray business, which we will try to clear in the next week or so, and then be ready to turn our attention. I return your assays certificate, No. 4 of my samples was checked three times, so you may be sure of 923.0 oz is correct.

I remain,
Yours very truly

C. A. Hebulion

Copy.

Hebulion

RE: MONITOR MINE

from conversation with Donald Douglas 9/21/36

Eighteen unpatented claims near Troy Mountain at east end of Pinal County, northeast of Kelvin and due east from Ray.

Road goes to within two or three miles of mine then burro trail.

Six thousand feet of underground workings, mostly adit tunnels, said to be nearly all in copper ore 3% copper and \$1.50 gold or better.

No thorough sampling or examination has ever been made and a preliminary investigation would be worth about \$250.00

Walter C. Smith in June '35 wrote that he did not know this mine but thought that it might be a property which had produced a little high-grade ore & which Pearl Shelton (man) had worked & sold this mine in 1933 & Smith believed that this property was quite worthless.

C. W. McKee of Phoenix ~~office~~ may have been interested or at least should know something of it.

Index, Montezuma, Humboldt Lead, Copper, Class D.

April 1, 1943

Miner file M - General

Montezuma Mine (2 claims)

Near Humboldt, apparently lies along the high silicified schist outcrops either north or south of the Lone Pine.

Option has been taken by

Harry B. Hill
Holt Hotel
Wichita Falls, Texas,

who called and may want me to do some professional work at later date.

Hill is an oil man with no mining experience but plans to get together a small syndicate of his friends and to spend almost \$5000 exploring this property by putting down some four diamond drill holes, - probably 1200' or so. Hill says that the outcrops show gossan and Lafe Burleson, who knows the property well, told him that it was the most likely prospect in that district with good chance to develop copper ore at depth, altho apparently no ore was found near the surface nor in a shaft which was sunk there many years ago.

Hill says that Leo Soper (who was sent to jail some years ago for a mining swindle) now has an option on the Henrietta and also on the Lion Group of Claims near Stoddard and is trying to raise money to reopen and operate these mines.

Hill has bought the Humboldt theatre from Keenan and plans to convert it into a rooming house. Should make sure of his financial responsibility.

Index E Montezuma, Morristown Lead, Silver Lead 6/5/43
Mines file M. - General Class D.

GENERAL MINING NOTES

The Montezuma Mine which was recently worked by George Dillard with financial backing of Dr. E. Payne Palmer is located west of Morristown, across the Hassayampa River, and a little way beyond the Pitt (Newsboy) Mine. It is an old mine credited with an original production of over \$250,000 and from the new discovery some very high grade silver lead ore was shipped but the pocket punched out and Dillard does not think it worth while to spend any money in searching for another ore, although they are trying to get the University of Arizona to make a geophysical survey.

Palmer & others seem to think that this mine has entirely worked and after their last production in '43.

MT.
MOUNTAIN AZTEC GOLD COMPANY

12/10/33

Note by G. M. Colvocoresses - After visit

Operating the Percy Chester and Linden Claims to east of road between Prescott and Groom Creek.

Apparently scattered quartz stringers thru granite and carrying a little gold in pockets, picked samples may run 0.4 to 0.5 oz. but doubtful if any commercial ore can be produced.

Present Company organized in Hollywood by Robert Coyne (formerly a bootlegger) and his associates, has all the earmarks of a *Stock* selling swindle.

Two shafts one 110' and one 65' deep but not connected. Operators claim block of ore under six square miles of surface to unknown depth and pretend that they have blocked out two billion tons of \$8.00 ore. They seem to be both dishonest and densely ignorant of mining.

Now propose to erect at once a 100 ton mill and follow with additional units. They think that their concentrates will carry high gold values with a little lead, silver and copper.

Very doubtful if any shipments will be made from this property.

LATER:

Company blew up as expected leaving a lot of rubber checks around Prescott. Claims reverted to owners and except for some small stringers on Percy Chester Claim are probably quite worthless.

MUDERSBACH or Tough Nut Mine

Located ten miles south of Bouse.

Thompson says that there is quite a lot of low grade gold ore in this property and it might be worth an examination.

GMC..

8/16/39

Copied

District	Properties	Location	Owners & Operators	Date Visited	Notes
Bagdad, Yavapai County.	Mulholland, now called Tammany.	4½ mi. N.W. Bagdad Camp. Elevation at tent 3400'. 3 claims unpatented.	Wm. Rudkins. Idle.	1917 Aug. 23rd.	<p>The trail from the Copper King to Rudkins' tent traverses siliceous schist and quartzite ledges, resembling the Yavapai formation, to more basic granodiorite, mapped by Botsford as "Diabase (?) Schist". 10' pit in grano-diorite with seams, total width 6", of dark colored quartz with a very few stains of copper carbonate. West, towards Boulder Creek, coarse granite outcrops, mapped by Botsford as "Acid Granite". In this granite is an open cut running S 80 E showing small quartz stringers with a little pyrite. On N.E. side of Mulholland Creek are a 5' pit and a 10' tunnel on a 2' vein, mostly quartz with galena, in coarse granite. A sample across 2' assayed (H-148) 0.01 oz. Au; 0.84 oz. Ag; 8.00% Pb. A few small crystals of wulfenite were observed and a small quantity of yellow stained mineral, probably molybdate.</p> <p>On S. W. side of Mulholland Creek is a tunnel running W. 130' in coarse granite, with small quartz stringers and lenses showing a very little galena. The hanging wall is slickensided and has a slight dip S. 30' above the tunnel at an elevation of 3400' is an 80' tunnel running W. with a slight dip S. on the same vein as in the tunnel below, but showing cleaner cut fissure, 2½' to 4' wide near the mouth and nearly pinching out at the breast. The quartz-porphry filling shows small bunches of lead carbonate and a little molybdate. The walls are slickensided and nearly straight, 5' between. A sample across 4', 5' from the portal assayed 0.26 oz. Au; 1.94 oz. Ag; 2.6% Pb. Rudkins claimed \$10.00 in gold and 16 oz. silver as the value of this ore.</p> <p>The prospect does not appear to have any great merit even if better transportation were available.</p>

Rudkins

MUNCHUS

Location: 6 Mi. NE Wickenburg
Owners: J. M. Munchus, resident on the ground. Idle
Date Visited: March 20, 1917. *by Holland*

NOTES

Fourteen claims unpatented. Gneiss and pegmatite largely coarse feldspar. 70' shaft on iron stained gneiss with a little specularite. Very rare copper stains. Apparently absolutely worthless prospect.

Name - MYERS (J. W.)

Location - Ray

Date - 4/22/35

Notes - Mr. J. W. Myers of Winkelman, Arizona, called to tell of a prospect on which he has found gold values running from \$7.00 to \$30.00 per ton. He has 22 claims just east of the Christmas Mine which he formerly operated and these contain some good copper showings and he wants money to develop them for gold.

Looking for an investor .

THE McBRIDE-McNULTY PROPERTY. This is considerably to the south in Copper Creek, but is said to be somewhat similar to Copper Basin. Mr. H. E. Crawford has just put down two churn drills/ holes, one 150 feet and the other 225 feet. The results have not been encouraging and the equipment is being removed. Mr. T. J. Sparks now offers the property.

L. F. Holland

Copper Basin, Ariz.

~~Sparks~~

MCCOLLUM LEAD SILVER MINE

from conversation with Don Douglas, 9/2136

Located near Mineral Creek, north of Ray and has been worked at intervals in the past and produced some \$50.00 sorted ore which was shipped with profit.

Is some two miles from a road and considerable development work has been done there.

~~A preliminary examination would be worth about \$250.00~~

According to a letter written by Walter C. Smith in June '35 this mine belongs in part to C. W. Lee 702 N. 7th Av. Phoenix (father of Helen) & Smith & Tom Fraser had done quite a lot of development work there for James Simpson, - apparently with unfavorable results.

Name - McLean

Location - 14 mi. N.E. Wickenburg adjoining Keystone Mine

Owner - J. L. McLean, owner. McGee, Lessee, Developing

Date - March 22, 1917

Notes - Seven claims unpatented. Iron stained dike NW - SE in granite-gneiss and pegmatite. Hole in which McGee is working in belt of heavy blue rock with slickensides standing nearly vertical. Some chalcopyrite in narrow stringers in the blue rock. Width between walls 5', of which only a small proportion is shipping ore. Shipped a little to Arizona Sampling & Reduction Co., said to run $1\frac{1}{2}$ oz. gold and 6.25 copper to ton. A possible small producer.

October 8th, 1935

Copied at Sent
DAVID McMILLAN PROPERTY.

7
Visit from David McMillan
2250 West Van Buren
Phoenix, Arizona

Property is located in Yuma County about 25 miles southeast of Wellton on Buck Mountain. A fair road connects with Wellton and a very bad road with Ajo. There are nine claims in one group and another group of four claims, all unpatented. The main vein can be traced for the full length of the property and a long distance beyond. Apparently the ore is found in shoots and samples which he showed me were extremely nice looking, carbonate with some oxide and also copper glance. A shipment of twelve tons recently made to El Paso contained as follows:

gold---.23 oz. per ton silver 1.2 oz. cu. 17%.

There is one shaft down 30' and some drifting along the vein, mainly on the 20' level. There are one or two other shafts which are shallow. The vein itself has a width of 4' or 5', but the pay streak is only about 1' in width.

The vein can be traced up the slope of a very steep hill and an adit tunnel 200' long would give a back of nearly 400' in the face. Aside from the main vein there are several feeders. McMillan states that the sulphides are coming in wherever depth is gained and believes that gold values will increase at greater depth.

McMillan's claims are between Copper Hill and Copper Mountain and the Copper Mountain property, known as the Betty Lee or Arizona Consolidated Copper Co., was operated quite extensively in 1912 or thereabouts when a shaft was sunk 250' and some high grade ore was shipped. The operating company was back^{ed} by German capital who were prepared to build a mill when the war broke out in 1914. The manager was a man named Bentel, who got into trouble for using company funds and was put in prison. The property is now owned or controlled by Jopal, a lawyer in ~~an~~ and a mining man in Yuma named Macintosh. The workings on

these claims are higher up than on the McMillan group and practically all in oxides.

Another property operating in this vicinity is known as the "Rosebud" and is being worked by a chemist of Los Angeles named Anderson. He employs a small crew and is said to be doing well.

McMillan would like to secure sufficient capital to develop his property and would be prepared to give a substantial interest in exchange for such assistance.

Re Betty Lee

Best map is from Iowa

See Enclosure (Sketch) at Wellton has
an outcrop in this corner

They have a deep well but the bottom
does not show clear the floor

Depth 650' deep

SKULL VALLEY DISTRICT

1/20/34

M

McNery Mine, six miles from Skull Valley. Operated by C. r. Unsley, P. O. box 961, Prescott, who says that they are nearly ready to start and in two months can ship at least 10 tons per day of silicious gold ore with a very little silver.

Average content—Au—0.8 oz., no lead or copper, but some iron sulphide and balance oxidized. About 80% of the gold in the oxide ore will plate.

They may ship crude or may put in a small mill and make concentrates.

rail freight to El Paso on \$30 ore is \$5.30

Rail freight to Humboldt on \$30 ore is \$1.60

D. BARNES
ATTORNEY AT LAW
SIDNEY, OHIO

Phones:
Sidney, 360 Farmers, 44

May & Malcolm (Mayer) *R* *2/2*
A *2/2*

January 24th, 1916

Mr. G. M. Colvocoresses, Gen. Mgr.
Consolidated Arizona Smelting Co.,
Humboldt, Arizona.

Dear Sir:-

Your letter of December 14th, was duly received, but owing to the press of other business, I now discover that the same is unanswered.

Answering your several inquiries would say that we own two claims known as The May and Malcolm, and as you no doubt understand, contain approximately twenty acres each. The out-cropping traverses through the claims a distance of approximately three thousand feet. I do not understand whether you desire a blue print of the workings or a blue print of the property line. We do not have any blue print of our workings, but I think we can produce a blue print showing property line. The workings on the two shafts showed a low grade ore. We have no report of any mining engineer, except one made by Mr. Harrick in examining the property prior to our company taking it over. Of course you will understand at this time no work was done on the property. If you would desire this report, we shall be glad to send same to you.

In my former letter I discover that I wrote you that shaft was 267 feet in depth and the other 205 feet. This was an error as the first shaft is only 237 feet in depth. Of course you are thoroughly familiar with the location of this property, and if you will call on Mr. Henry Heffleman, who lives in Mayer, Arizona, he will go with you at any time and point out the property lines and give you such additional information as you may desire.

The title to this property has been patented. Our company has no debts, but work was suspended temporarily on account of lack of funds.

I shall be very glad to hear from you at your earliest convenience, and if the engineer's report and blue prints that we have are desired, will forward same to you.

Very respectfully yours,

D Barnes

JDB/AM

had listed

April 4th, 1916

J. D. Barnes, Esq.,
Attorney-at-Law,
Sidney, Ohio.

MINING PROPERTIES

MAY

MINE

Dear Sir:-

I beg to acknowledge receipt of your favor March 29th, relative to the May Mining property and might state, in further reference to my letter March 15th, that we would not be interested in taking over the May property, either by direct purchase or by bond and lease.

In reference to the latter part of your letter, I might state that I really do not feel qualified to express an opinion as to the prospective value of the MAY. I have only looked this over in a very superficial way and requested our BlueBell Superintendent to examine the surface of the property, recently, when we were in correspondence concerning the possibilities of our leasing same. Both Mr. DeCamp and myself are of the opinion that the May property has possibilities; the out-crop shows a certain amount of mineralization, in some respects similar to the out-crops on our BlueBell claims and there are undoubtedly chances that commercial ore might be developed in depth. However, there is absolutely no certainty or even strong probability that such would prove the case, as development into similar out-croppings has been more frequently disappointing than the contrary.

Our own position is simply this: we have a lot of ground still to develop, on our own claims (we own fifteen

Mr. Barnes #2

May Mine

April 4, 1916

in the vicinity of BlueBell) and we believe that we have as good, or better, chances of finding additional ore bodies on these claims than would exist on the May property, therefore we find that it is preferable to spend our money in the thorough development of our own property, before we attempt to purchase other claims or spend any money in developing property, which, should it prove profitable, we would be under obligations to purchase from other parties.

The fact that we have declined to lease or purchase your property, at the present time, is not in the slightest a reflection on the ^{possible} value of this property, but naturally due to the reasoning which I have given above and of which I am quite certain you will see the logic. I should be very glad to give you any other information which would be of interest. You know as much about the under-ground workings of the May as we do, since all accounts agree that no ore body of value had been encountered in the shaft and to continue this shaft would be simply to carry out the exploration in what may be considered as a mineralized zone with fair probabilities of encountering a commercially valuable ore body. -

Yours very truly,

GMC

m

General Manager.

MINES BOOK "M"

MEDER (BOB MEDER) MINE, next to the Big Pine in the Senator District and adjoining the property of A. W. Law.

Cummings, of Groom Creek near Prescott, is interested in this mine which is now (April '35) being worked under lease by C. H. Dunning who has made several shipments.

A strong vein 10-12' wide in places and with stringers of high grade ore which can be sorted out. A Huntington Mill and engine in poor shape. On the Law property there is said to be quite a body of \$11.00 ore. (gd.)

December 1935 - Dunning reports that he has worked out this mine and he has moved with his equipment to a property near Skull Valley.

(Signed) G. M. Colvocoresses

Colvocoresses

Yuma
DISTRICT: Silver

NAME: Mendeval ✓

OWNERS: J. R. MacPherson)
A. B. Ming) All in Yuma
Riley)

LOCATION:

26 Miles North of Yuma, adjoining Ravena.

CLAIMS:

Three

DEVELOPMENT:

A few test pits averaging perhaps 60 feet deep. Surface showings are for full 4500 feet long and 150-300 feet wide. H.B.Meade reports 100 feet face for 4500 feet will show values of 15 ounces Ag., 4% Pb.

$4500 \times 100 \times 50 = 22,500,000$ cu.ft.

At 15 cu.ft. per ton = 1,500,000 tons proven.

15 oz. Ag. At \$1.00 = \$15.00

4 % Pb. " 5¢ = $\frac{4.00}{\$19.00}$

With saving of 90% = \$17.00 ore values.

$\$17.00 \times 1,500,000 = \$2,300,000$

TERMS:

\$65,000.

Six months without payment but prosecute development.

If not satisfied will extend for another six months.

Then, payment of \$10,000; Balance in six month payments

Can steam shovel whole property.

Roughly estimate cost of mining and treatment -

\$7.50 per ton.

Lee Camp

MERRIMAC DUMP

Following are result of samples taken by Harbauer in 1927 from dump of Merrimac Mine located on flat about one mile northwest of town of Chloride.

In July '38, Harbauer tells me that an effort is being made to treat this dump by parties who appear to have an exaggerated idea of its value.

G.M.Colvocoresses

Form No. A-128-P.C.

SOUTHWEST METALS CO.
ASSAY CERTIFICATE

HUMBOLDT, ARIZONA

Merrimac

Sept 5th, 27

? *Where is the mine*

I have assayed the following samples and find they contain:

DESCRIPTION		ANALYSIS									
Lot	Name	Au. Oz.	Ag. Ozs.	Cu. %	Insol.	Fe.	CaO.	S.	Zn.	Pb.	
1	<i>Merrimac Mine Dumps</i>	0 11	2 57	<i>Value \$3.50</i>							
2		10	4 40	4 20							
3		02	2 74	1 77							
4		03	2 82	2 00							
5		02	5 44	3 12							
6		02	2 26	1 53							
7		02	4 38	2 59							
8		06	15 06	8 70							
9		03	3 29	1 94							
10		04	10 74	6 17							

*Gold @ 20⁰⁰
Silver @ .50*

G. Harbauer

Chief Chemist

SOUTHWEST METALS CO.
ASSAY CERTIFICATE

HUMBOLDT, ARIZONA, *Sept 5th '27*

I have assayed the following samples and find they contain:

DESCRIPTION		ANALYSIS								
Lot	Name	Au. Oz.	Ag. Ozs.	Cu. %	Insol.	Fe.	CaO.	S.	Zn.	Pb.
28	Merrimac Mine Workings	0 05	1.11	= F.W-4' on 60' Level - New Shaft						
29		0 08	1 94	= H.W-4' - - - - -						
30		0 08	1 38	= N. Face of Drift from shaft S.W. of New Shaft						
31	G.R. Neils - Alice Mine	0 03	21.51	= 3" streak of Galena in bottom of Drift - about 75% Lead						

E.J. Harbauer
Chief Chemist

ASSAY CERTIFICATE

HUMBOLDT, ARIZONA, *Sept 5th '27*

I have assayed the following samples and find they contain:

DESCRIPTION		ANALYSIS								
Lot	Name	Au. Oz.	Ag. Ozs.	Cu. %	Insol.	Fe.	CaO.	S.	Zn.	Pb.
11	Merrimac Mine Dumps	0 01	3 59	Value \$ 2.99						
12		0 2	0 72							
13		0 2	2 34	1.57						
14		0 3	3 43	2.31						
15		0 6	8 32	5.36						
16		0 4	2 76	2.18						
17		0 3	0 25							

Form No. A-128-P.C.

SOUTHWEST METALS CO.
ASSAY CERTIFICATE

HUMBOLDT, ARIZONA, *Sept 5th '27*

I have assayed the following samples and find they contain:

DESCRIPTION		ANALYSIS								
Lot	Name	Au. Oz.	Ag. Ozs.	Cu. %	Insol.	Fe.	CaO.	S.	Zn.	Pb.
18	Merrimac Mill Tailings	0 05	3 09							
19		0 18	7 02	Sample includes small streak of iron concentrates						
20		0 05	4 01							
21		0 07	4 61							
22		0 07	5 43							
23		0 06	5 34							
24		0 07	5 93							
25		0 06	6 34							
26		0 04	4 76							
--		0 03	4 87	= General Samp. Lower Dump						

Average 0.068 5.14
\$ 1.36 \$ 2.57

E.J. Harbauer
Chief Chemist

District	Properties	Location	Owners & Operators	Date Visited	Notes
Bagdad, Yavapai County.	Might Be. Hardbone.	4 mi. N. W. Bagdad Camp. Elevation 4000. Might Be Group four claims:- Might Be, Sinbad, Sailor, Boomerang. Hardbone, 1 claim, formerly Bagdad Co's. property.	Wm. Rudkins. Idle	1917 Aug. 23rd.	<p>Fine grained fractured iron stained <i>q</i>plite. Running N-S is a belt showing chrysocolla on fracture planes and black specks of Copper Pitch. At an elevation of 3925' is an open cut in breccia showing chrysocolla. The best 4' assayed (H-150) 3.45% Cu. and the more easterly 8', lighter colored, assayed (H-151) 2.57% Cu. To the North is an open cut showing chrysocolla on the contact of <i>q</i>plite and porphyry. There are five similar cuts on fracture planes in the <i>q</i>plite, showing chrysocolla.</p> <p>The Hardbone claim has a tunnel running N.W. 145' at an elevation of 3700'. There is no mineral showing. At the North end of the tunnel the fine grained felsitic rock, called <i>q</i>plite, overlies a distinctly porphyritic rock, perhaps rhyolite. With improved conditions for transportation, including a railroad, the prospect might merit exploration, but under present local conditions is unattractive.</p>

Copy

150 lines

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Copy of Owner's Statements.

July 8 A

The Midnight Group of Mining Claims

This mining property is situated in Wallapai Mining District, Mohave County, Arizona, and in one and one-half miles from the Chloride Railroad, and consists of five contiguous claims.

They are owned by John St. Charles, of Chloride, Arizona, who is in charge of the development of the property. Keant St. Charles, is associated with John St. Charles in the development and general management of the mines and concentrator.

About 2000 feet of underground work has been done on the Midnight, the principal claim of the group. This work consists of a 200 foot shaft, timbered with Oregon Pine, drifts, levels, raises, crosscuts &c. This work has disclosed several ore shoots with different values. The values are gold, silver, copper and zinc with a large percentage of iron, being a sulphide. Crude ore shipped has been paid for by smelters at the rate of \$50 a ton. This was assorted ore. Specimen ore running up into the hundreds of dollars in gold has been taken from the mine.

The bottom of the shaft has the apex of a gold shoot 15 inches thick that will average \$80 a ton. The same ore shoot cut in two places elsewhere on the 200 is from 4 to 8 feet wide of \$10, concentrating ore. The Larger ore bodies showing in the development on the levels above the 200 have not been reached by the crosscuts on the 200, though nearly so. A little money, perhaps \$1000, would finish the crosscuts on the 200 to the main veins. One of these veins cut in two places on the 100 is 75ft. wide with 30 feet of sulphide ore with stringers of ore through the balance of the vein. This vein should show increased values at the 200 and if so, would advance the property in value many times. Another crosscut from the 200 almost to the vein, will cut under a shoot that is opened on the 100ft level, and above that is high grade milling ore, about \$35, in gold, silver, copper and zinc. This vein is also large and crops with values over 600 feet on the surface and is then covered with wash. The gold values are principally

in iron pyrites, while silver and copper are found together. Zinc is found in all of it and will be a large asset to the mine with proper ~~separators~~ separators. At the present time the owners, who are not financiers, but miners, have spent their last dollars on the erection of a testing plant that will handle 30 tons in 24 hours through a 30 mesh screen. It is only equipped with two Wilfley tables, no zinc separator, which is necessary to get the values. The mine is full of ore of different grades that would pay handsome profits under modern processes. The formation is similar to that of Butte, Montana; granite, interspersed with dikes of diabase and other intrusive rocks. This group of mines can be had for \$100,000, in payments to suit the purchaser, the consideration being active work on the properties and the marketing of the ores. The Midnight is in the same mineral belt as the Golconda, that has shipped a million dollars from a little mill during the past two and a half years, being developed from a prospect and is now a million dollar property. It never had a better outlook than the Midnight, and never half as good except the zinc. The Tennessee Mine, one of the U.S. Smelter Cos. big properties, with shaft down 900 feet, is located a short distance away. The Joseph S. Qualey Co., of New York and Mexico, are operating on the Pinkham, which adjoins the Midnight-south end. Chloride is a tried district and is becoming more important all the time, and being invaded by leading successful miners. The main shaft of the Midnight is equipped with a 6 h.p. gasoline hoist, all in good condition to operate.

The foregoing is a copy of the owner's statement.

NOTE RE MINNESOTA CONNORS.

Aug. 2, 1938

Located near Chloride and had a good record of production in early days of gold, silver ore. (See U.S.G.S. pamphlet which contains description and map).

In April 1931, a man named P. S. Virgin of Oatman called on me in Phoenix and said that he was the owner of this mine and claimed that it still contained ore which carried good values, sometimes up to 50 oz. in silver and also some copper, lead and zinc.

In 1937 it was taken over by an engineer named Rice with whom Bill Gohring was associated to some extent and together they persuaded a group of some 8 or 10 Phoenix men including Arthur T. LaPrade to put up \$1500. apiece and reopen the mine. They cleaned out the old Connors shaft and some drifts at the bottom and found that all of the pay ore had been stoped out previously and that nothing of any value remained,- according to La Prade, so the venture was a complete flpp.

G.M. Colvocoresses

Minhinnick

- Grand Canyon

(Letter from Mr. H. J. Minhinnick, Editor of Copper Verde News.)

Jerome, Arizona
Feb. 4, 1926

G. M. Colvocoresses, Esq.
Southwest Metals Co.
Humboldt, Arizona

Dear Mr. Colvocoresses:

I note with great interest that there is a possibility of the erection of a lead stack at Humboldt. I am specially interested in this as we are at this time looking into what appears to be a rather wonderful barite deposit in the Grand Canyon Nat'l. Park, a deposit which carries much high-grade galena in the shape of big boulders, some of them weighing a ton or more. I have assays showing that the galena carries fair silver values, although not so much as one would expect from a superficial inspection, but running to 16 ounces. The barite assays 98.2% pure barium sulphate and it is probable that the odd 1.8% was just plain dirt in the sample.

I don't need to tell you that this means a lot to the Cottrell plant which is recovering some 10 or 12 tons of zinc a day and as soon as we can get things straightened up with the government park service, we will have some interesting announcements to make, I hope. I thought you would be interested in knowing of the possibility. As I understand it, the separation of the barium and galena by flotation is not a difficult problem and if the deposit proves to be anything as big as the present information indicates, the discovery will be a big thing for all of us.

Sincerely,

(Signed) H. J. Minhinnick

District	Property	Location	Owners & Operators	Date Visited	Notes
Wickenburg (Cont'd.)	Monarch	9 mi. S. E. Wickenburg. Black Rock or White Picacho Min- ing District	Bondholders have had possession since the failure of the Co., organized by J. H. Mulholland. A deal is now being made with a new Monarch Mining & Smelting Co., promoted by Mulkey (capital \$3,000,000) by whom the outstanding shares of the old Company are to be acquired at 10¢ on the dollar for \$249,200.00 in ten quarterly installments of \$25,000 each. Mulkey now offers 100,000 shares at \$1.00 per share, par. Idle since 1916.	March 16 1917.	Six claims patented. Diorite and schist complex, badly broken. Ore very siliceous (quartz and greenstone) with copper carbonates; some chalcopyrite. Shaft 512', water at 200'. At collar small pile (1 ton) chalcopyrite in greenstone, said to be from 247' level. According to A. D. Akin, Engineer, who had charge for five years for Mulholland, last sinking was in very siliceous rock "not exactly quartzite" and it was expected to run into ore any time. First mill burnt down. Second mill similar did very poor work according to Akin, best concentrates only running 12% copper. Mill contains Rolls, Huntington, Impact Screen, Cone Classifiers, two Lodwic Tables, three Frue Vanners, Isbell No. 4 Table and gasoline engine. At mine 15 HP Fairbanks Morse hoist and small compressor, jackhammers and tools. Buildings in good shape. Apparently no chance of profitable Mine without further development, and past operations do not encourage hope of success.

Name - MONARCH MINE

Location - Wickenburg District.

Date - April 23. — H.S. McKnight

Notes - Mr. Spottswood, Superintendent and Mr. Klein foreman. At present they are sinking an inclined shaft in the H. W. of the vein and are down about 25 feet. Same vein of low grade copper ore that was formerly worked - dipping about 28 degrees. Country rock-schist.

There is a considerable tonnage of low grade copper ore on the dumps of the old workings, and a concentrator on the property which, I was told, has never operated to any extent.

Jerome
VERDE DISTRICT

Monarch Mine

10/20/31

Verde Mining and Milling Co.

Bob Grant of Prescott has now staked five claims covering the ore showings on this old property which is located next to the Pfan on the East slope of the Black Hills , south of Mingus and is described quite fully in Lindgrens Report on the Bradshaw Mt.

Grant says that a strong vein can be traced across these claims for over 1000' and that it contained shoots of \$20 ore which were in part worked out near the surface prior to the last work which was done in 1925. A shaft is now down 200' and from the bottem of this a cross cut would have to be run 140' to cut the shoot in the vein some 200' below a rich stope. Has a fair plant, buildings etc.

- Harbauer knows something of this property but neither he nor Grant have sampled it.

MONEY METALS MINE

Note by G. M. Colvocoresses

Money Metals, west of Poland & twelve miles from Humboldt.

Visited by way of Senator and Josephine Road on November 3rd, 1933. Saw Kilfater, the foreman, but missed Turner, the Supt. and Kelsey, the Manager.

Developing ore and erecting a small mill which would be discarded if Humboldt could treat the ore.

Said to have available about 10,000 tons of ore in mine which should run \$20.00 per ton, including value of lead. There is also some zinc.

Trucking to Humboldt about \$2.00 per ton.

Might ship about 15 tons per day.

Concentrates 7 to 1, and expect to make one tone concentrates per day.

Seems to be a well managed property but am somewhat doubtful as to grade of the ore. Location is bad and it might be impossible to keep up shipments through the winter.

January, 1938:

Property has been idle for some time but claim that they could resume shipments if a local market were available.

July: 1938:

Thos. Turner and A. S. Johnson reopening this mine and plan to sink shaft from 400 to 600' level and then start drifting.

Name - MOON-ANCHOR

Location - Chloride District

Notes - The outcrop of a similar vein to the above has been faulted so as to appear in three places, close together, at surface. Some 300 tons of ore, carrying only Au, Ag, and Pb (no zinc or copper), has been gouged out of these outcrops. Mr. Benderwall, in charge (also owner, I think) is sinking on one of the outcrops. At 40' the vein has pinched to 12", but still has high content of Pb & Ag.

As a possible shipper of Pb ore or concentrates (unlikely) to a stack at Humboldt, development should be watched, as the vein should regain its size somewhere, and will probably be picked up underground. In the outcrops it is never less than 3 feet wide.

MOONEY MINE

Copy

(note by G. M. Colvocoresses)

Visited March 21, 1934 by G. M. Colvocoresses with Chris Bendewald.

Vein runs north and south and is nearly vertical. A narrow seam near surface but widens out a little at 50' and seems to be stronger at 70' in the shaft where it is some two feet wide between the walls of Bradshaw schist and has a good gouge on both walls. Ore occurs in stringers with quartz and some lime and only a fraction of the vein matter say 3 or 4" wide is good ore which is gray copper and carries the silver values.

A road would have to be built from the Dandrea Ranch at cost of about \$500 and all equipment provided. It is a pretty long shot and the chance is that the 70' drift may be right on top of a good ore shoot or pocket from which some high grade ore might be taken.

A short distance from this shaft the Goodwin Silver Mine is now being worked by the Bowman Brothers who are said to have a nice showing in similar vein and formation and to be taking out some high grade ore similar to that formerly shipped to Humboldt by Ketcham and Warner.

3/27/34 -- The Goodwin silver is highly spoken of by Sparks who recently inspected it and thinks they will have a nice mine when the 200' level is opened up.

Oct. 1937 -- This prospect seems to have some merit and might be more thoroughly investigated by anyone seeking a small high-grade mine.

G. M. Colvocoresses

MOONEY MINE

MAYER DISTRICT

March 5, 1934.

Avery Thompson of Los Angeles called with Luke Henderson of Phoenix and showed me sample said to run several hundred ounces in silver. It is tetrahedrite.

Prospect is said to be 12 miles west of Mayer, probably near Bolada and Thompson intends to have it further developed and would ship

to Humboldt.

March 6, 1934.

Henderson and Chris Bendewald (once a shift boss at Bluebell) called and the latter is the operator of this property having a bond and lease on seven claims near Bolada and close to the Goodwin Silver Mine once operated by Ketcham and Warner who shipped some high grade ore to Humboldt. Lease requires 10% royalty on net smelter returns and runs until August 1936.

Has a shaft now down 70' with a strong vein from a few inches to 2' in width and containing bunches or pockets of tetrahedrite from which assays have run 5% + in copper and from 100 to 500 oz. Ag. and from 0.20 to 0.3 oz. Au.

This is a fissure vein which has been traced for a long distance on the surface and it seems to be getting wider and stronger in the bottom of the shaft.

No equipment except a winch and now needs a small hoist and compressor, drills, etc. to continue development.

Avery Thompson is considering financing this prospect and may want an examination and report.

Chris Bendewald called again with sample and further described this property. 5 claims cover length of vein for 7500' and two side claims.

Vein is vertical, quartz and some lime in Bradshaw schist.

Property reached from Senator Road where there is a sign "Bendewald and Wyatt" on road turning to east at an open field which is $\frac{1}{2}$ mile north of Bolada and $5\frac{1}{2}$ miles south of Venezia. Along this road it is about $\frac{1}{2}$ mile to Dondrio Ranch on Turkey Creek where there is ample water and then 1200' up hill to mine. A road would have to be built from ranch to mine.

No water at mine and shaft only makes 30 gal. per day.

For 30 feet down shaft vein is only a tight seam then begins to widen out and there was a small pocket at this point from which some good ore was taken, and shipped said to run 2200 oz. Ag. per ton.

Bendewald has sunk shaft from 50' to 70' with vein widening 2' in the bottom and then has drifted 3' to the north (?) and under rising

ground and vein in face of drift is nearly 4' wide and thought to run 100 oz. in Ag. Some 300' further in this direction there is a fine outcrop.

Samples taken from shaft gave the following results --

On 50' level		
Picked ore	Au = 0.3 oz.	Ag = 125 oz.
Low Grade Ore	Au = 0.9	Ag = 85 oz.
70' level	Au = 0.2	Ag = 535

Some 2 tons of high grade ore is on dump (which would indicate that high grade average only about 2" in width.)

Shaft is just across the gulch and some 1500' southeast from Goodwin Silver Mine.

DISTRICT

Williams River,
Mohave County,
Arizona.

PROPERTIES

Moqui

LOCATION

56-57 M. W. Congress Jct., near Cactus Queen and Cleopatra properties. Owens Mining District. 6 claims unpatented.

OWNERS &
OPERATORS

Robert Intrum,
resident on
ground - Idle.

DATE
VISITED

October 10,
1917

NOTES

200' tunnel runs S E & E on granite-gneiss and limestone contact, with hematite and specularite filling, but no copper whatever. A mile beyond is a little tunnel and 50' winze on contact of porphyritic material (foot wall) and limestone (hanging wall). 2" - 3" copper ore on contact. A drift runs S E S', with a dike standing vertically. According to Intrum, the ore here runs high in gold, but my sample across 4' at the breast assayed (H-270) Au. Trace; Ag. 0.10 oz. Unpromising prospect.

L. F. L. H.

copy

Name - MOUNTAIN QUEEN LODE
Location - Humboldt District
Notes - August 23, 1936

My dear Mr. Colvocoresses;-

My old friend John W. Finch, now U. S. Director of Mines, tells me you were Manager of the old Humboldt Smelter when operating and are familiar with the Mayer district and that you might be willing to give me the benefit of your recollections.

I have just directed Mr. F. W. Gireaux to clean out two old shafts on the Mountain Queen Lode claim near Mayer and work is in progress. I have been interested in that property many years, having patented it, I think, while the Humboldt Smelter was operating. The Mountain Queen I think adjoins the old Jessie. Nothing has been done on the claims since patenting. With the increased price of gold, it seemed unwise not to look into it, as good assays were reported when the shafts were sunk, and it is reported, whether reliably or not, that several tons of old dump have lately been hauled away.

Are you inclined to give me your recollections of the Mayer district, particularly whether if good values are found, they are likely to be persistent and perhaps in commercial quantity? I understand that the old McCabe mine, now Harbud, is shipping steadily, good concentrates.

Do you know Mr. Giroux, do you think that I could rely on his report; and would he be a good man to direct some development work - if his first report should be favorable? Your reply will be understood to be confidential. I would greatly appreciate your considerate reply.

My address will be - Denver, Club
Denver, Colorado
Aug. 30 - Sept. 6

Thereafter, - 41 Broad Street
New York City

Sincerely yours,

(Signed) Orlando B. Willcox

Note by G. M. Colvocoresses - 1937

Giroux opened up this prospect for Willcox and told me that he found nothing of value but thought the indications were favorable and recommended some further development which I understand Willcox did not carry out.

District Properties	Location	Owners & Operators	Date Visited	Notes	
Bagdad, Yavapai County	Mountain Spring.	3 mi. S.W. Bagdad Camp. One claim unpatented. Ele- vation 3800'.	John Lawler Estate. Idle.	1917 Aug. 25th.	Mica schist and granite. Quartz vein strikes N 40 W, 18"-24" wide in mica schist. Shaft, no timbers, inaccessible, water in bottom. To S. E. open cut on which is spring. Some pyrite in quartz, iron stains, very little lead. Vein stands about vertical. To S. E. at right of spring, intercalated quartz and schist for width of 8'. Some quartz stringers show pyrite. One 4" wide shows galena. Little tunnel above on seams of quartz and schist showing lead carbonate. No copper observed. Chief value of the claim apparently is in the spring, which has a good flow.

Copied

Hill

NAME: MOUNTAIN STAR AND FLASHLIGHT
DISTRICT: Ellsworth Mining District.
OWNER: N. R. Bunker, Wenden, Arizona, Agent.
DATE VISITED: September 13th, 1924 by J. L. White.

C.D.S.
Copied

NOTES: The two claims are patented and are located about ten miles from Wenden over a poor desert road. The claims are located on the South slope of the Hancouvar Mountains on a dike of coarsely chrysalized rock, possibly gabbro.

The country rock is granite and the dike strikes about north and south, dipping about 70° north.

On the footwall contact there are copper stained out-croppings.

Numerous shallow pits have been sunk on this contact and at the north end of the claim considerable copper stain was found.

Two cross-cut tunnels have been driven in the hill, each about 100 feet long.

The lower tunnel was started in the granite and continued until the dike was reached. Nothing was found at the contact.

The second tunnel was started in a gulch somewhat higher than the first and followed a zone of crushed material, doubtless a fault. In the faulted material a streak of quartz was followed and about ten tons of it sorted out and packed to a mill in the Harqua Halas where it is said to have plated \$38.00 per ton.

No copper was seen in these workings. The workings are one-half mile from the road and 300 feet above it.

Mr. Bunker's idea was that the Southwest Metals Company might want to cross-cut the dike and at the same time attempt to mine some ore from the exposures of copper stained rock.

The showings are not good enough to warrant the Southwest Metals Company doing any work here.

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J. L. White.

Approximately 500 ft. east of the portal of the upper tunnel and on the east slope of the hill there is a 5 ft. open cut showing stringers of good ore containing carbonates and some chalcopryite. The vein material is about 4 ft. wide at this point and a sample cut 3 ft. across the vein ran:

Gold- 0.79 Silver- 0.40 Copper- 4.51%

The crest of the above hill is approximately 400 ft. above the wash and the approximate horizontal distance from the wash to the vein at this point is 700 ft.

There is a small spring on the property but the water supply from this source would probably be insufficient for any development work of importance.

The vein is well defined and has good outcroppings but the grade of the vein developed is too low to be of particular interest at present. The property is 30 miles south of Wenden on a poor road.

No ore has been shipped from the property.

H. S. Wright

MOUNT ORD COPPER COMPANY

Notes by J. H. Hazen - May 31, 1926
on Kingman and Chloride District

I heard that the Mount Ord Copper Company were starting work. Their shipping point is Daggett. Mr. John Carder, I. W. Hellman Building, Los Angeles, is in charge of operations. Their ore is said to be a base ore carrying about 4% copper. Very little precious metal value.

Name - MAXWELL

District - Cotton wood Pass. 12 miles N.W. Wenden

Owners & Operators - Claude Maxwell and associates, who have recently located the Buckhorn, Spot Copper and Crackerjack groups. Assessment work only.

Date - Feb. 1st, 19____.

Notes - 'Spar and iron ledge, average 4' wide, in amphibolite schist and granite. Two carloads said to have been shipped by Lucas, former locator, to Hayden, 6% Cu. At S.E. end of Crackerjack, pegmatite in mass. Quartz vein 1' to 2' showing some chalcopyrite and bornite. On Buckhorn and Spot Copper side of mountain light colored granitic rock with iron outcrops. One vein almost at right angles to the main NW-SE fissuring. Possibility of iron outcrops making ore in depth, but not very attractive prospect.

C. 87
Cope
Coped

DISTRICT: Chaparrall.
NAME: Matt Nemo Property
LOCATION: One mile west of Chapparall.
OWNER: Matt Nemo
CLAIMS: Two
DATE VISITED: September 23rd.
GEOLOGY: Yavapai Schist, close to quartz diorite contact. Silicified zone in schist and quartz diorite showing small amount of iron stain at surface as a result of oxidation of small amount of iron pyrite. With depth small stringer of iron sulphide with small amount of chalcopyrite in seams. Some small stringers galena also associated with iron.
DEVELOPMENT: One shallow shaft with drift north and south thirty feet each way.
CONCLUSION: Property of no value whatever.

*Copy
H. L. L.*

Ramsgate Mine

between Iron Springs & Prescott.

THE JOHN A. MARTIN PROPERTY, near Ramsgate, Martin's address Mayer, Arizona. This is some miles to the north of the Kass claims, but is probably on the same mineralized belt. The Santa Fe Railroad runs thru the property.

I visited the property on September 11th, 1916. but was unable to gain access to the underground workings owing to a heavy iron grille secured at the north of the tunnel. According to Chas. T. Kirk, State mineralogist for New Mexico, the tunnel is 500 feet long. 200 feet from the portal is a raise, 125 feet. (I found what is evidently the top of this raise, with air pipe, on the surface). Near the raise is a winze 20 feet deep filled with water, but said to show same ore as tunnel level,

Copper $1\frac{1}{2}\%$ to 2% ; Fe 12% - plus as pyrite.

Primary sulphides.

Maximum depth attained by tunnel is about 135 feet below crest of hill. The sketch plan submitted by Mr. Kirk indicates that the first 100 feet of the tunnel is in granite, the next 200 feet is in a diabase dike not containing commercial ore and the last 200 feet is the diabase dike, containing ore assaying copper $1\frac{1}{2}\%$ to 2% .

My inspection of the surface showed a wide dike, running NW & SE generally much stained with iron oxide and with much hematite. There are a few pits 20 to 30 feet deep on about the strike of the tunnel in the dike, showing leached iron stained material. The granite country rock often contains very coarse mica suggesting pegmatite and in places is stained with malachite and azurite, especially on cleavage planes.

At the north of the tunnel is a pile of material, chiefly solid pyrite, measuring about 10,000 cu.ft. My sample of this obtained by breaking chips from all over the pile assayed

(H-8) Copper 0.78%; Gold 0.02 oz; silver 0.28 oz.

Further concentration of this ore is hardly possible. It

is possible that this pile contains ^{reject} material from the two hundred feet in the dike not considered as having commercial ore, as well as the second 200 feet of the better class of ore.

The buildings consist of an empty one room cabin and an empty blacksmith shack and stable.

The railroad being almost immediately below the mouth of the tunnel, further depth on the ore will have to be gained by sinking. The railroad grade here is very heavy and I observed that four locomotives were pulling 36 empty freight cars towards Prescott.

A little water was coming out of the mouth of the tunnel.

I found no other prospects being worked in the immediate neighborhood, and only a few cuts which may be on Martin's property.

L. F. S.

G. F. S. Holland.

E/32

Model Mine Placer

Near Peoples Valley and to west of it.

W. V. Shoemaker and Etze.

Located in Model Creek, --see Congress Junc. Folio. Old Model Mine said to have been good gold producer but now quite inaccessible.

Gravel about 6' deep over bed rock of granite, some clay and boulders in spots.

Lots of black sand but gold washes out from it easily.

Samples of black sand sent to W. P. Co. showed only traces of gold and Cr₂O₃ ---0.10%

Black sand is no good.

Shoemaker has quit this ground but Etze intends to work it with the aid of some patent machine.

Probably no interest.

District	Properties	Location	Owners & Operators	Date Visited	Note
Kirkland, Yavapai Co., Arizona.	Model	13 m. S. Kirkland, near Monica Mine. Elevation 4650.	John L. Davis, McCabe, Mgr. Idle. Plant has been removed.	1917 Oct. 3rd.	Quartz lenses and stringers in schistose belt in diorite. The quartz lenses are 1' to 8' wide, iron stained. Alongside of schistose belt is a fine grained, very light colored, dike, having a strike S.70E. A caved hole in diorite alongside of the dike may have been a shaft. There is a pile of white lean appearing quartz on the dump from another caved pit. 20' above is a tunnel, with a winze 10' in, caved beyond. A cut 20' long, 15' high, running N.70W. shows iron stained schist with small quartz lenses. Unattractive prospect, apparently abandoned.

L. F. H.

MARIQUITA MINE

WESTERN METALLURGICAL COMPANY

1016 West Ninth Street

LOS ANGELES, CALIFORNIA

August 7, 1928.

Mr. G. M. Colvocoresses,
Western Metallurgical Company,
Humboldt, Arizona.

Cal
13
28

Dear Cal:

I had a visit to-day with Mr. H. S. Cooper, a former mining man who was blinded four years ago in an explosion. For a considerable period of time he has been interested in the Mariquita Mine, which mine apparently was opened up in the 70's and worked in the early 80's by a Mr. Travers. According to Mr. Cooper, Mr. Travers considered this property a very valuable mine and convinced his wife that his property was worth a million dollars, and he then died, leaving this impression with his widow. According to Mr. Cooper, she had a number of excellent opportunities to sell, and at one time, according to him, some Chicago interests, who, he believed, represented the Marshall-Fields interests, offered her a half million dollars for the property. It is said that she declined anything that was less than a million dollars, and finally died in the insane asylum. I did not get the entire story of the intermediate transactions, but Mr. Cooper now has a lease and option on the property, the lease providing for a fluctuating royalty between ten and twenty per cent on mill recoveries, royalties to apply against the purchase price which is set at \$100,000.00. He and his friends are without necessary funds and are looking for someone to sink a shaft and develop the mine, and they will give fifty-one per cent interest in the venture for this money, arrangements to be agreed upon to suit the desires of those who put up the money.

Mr. Cooper struck me as being a decent sort of a chap, and he told me that some years ago he had sent some small quantities of materials to your smelter. He says he has never met you personally, but knows of you. The company goes by the name of Mariquita Mining Company, and Mr. John M. Hines, whom I do not know, is secretary of the

August 7, 1928.

company, with offices at 918 Black Building, Los Angeles.
As a matter of record, will say that Mr. Cooper's address is:

Mr. H. S. Cooper,
3020 Guirado Street,
Los Angeles, California.
Telephone - Chicago-0606.

The property is a gold property and is known as the Mariquita Gold Mine. It is located approximately one mile off of the Phoenix Coast Highway via Blythe, and is about four miles west of the town of Quartzsite, in what is labeled on our map as "Dome Rock Range". Mr. Cooper believes this to be a very valuable property, but unfortunately the old workings are caved in, and no underground examinations can be made at this time. Mr. Cooper believes, however, that the surface examination will give a fairly good idea that a gold-bearing ledge of considerable magnitude exists. There are four claims, as shown on the enclosed sketch, these being labeled Mariquita Mining Company and Little Mariquita Nos. 1, 2 and 3. The first mentioned claim is patented, and the other three are not patented. All of the early workings were done on the patented claim, but Mr. Cooper says that he personally ran a cross cut at the 150 foot level, at the point where the vein was cut off, and found what he believed to be the main vein, which starts in Little Mariquita No. 1, and presumably extends across Little Mariquita No. 2. He then trenched the surface on Little Mariquita No. 2, and determined, to his own satisfaction, that the main vein is located on this claim.

*What is
shown - S. Kent*

According to Mr. Cooper, the property could not be worked from the surface, because of the lack of water, but he is certain that water could be developed at a depth of probably 200 feet, and if not, he says there is enough water in the valley four miles distant to serve all needs, if the water is pumped up the hill. Cooper claims that there is a well in the valley which could not be pumped dry with available equipment, and he claims that he controls this well. I forgot to ask him whether he actually owned, or simply had an option, on it.

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According to Mr. Cooper, the sampling which they did on the lower levels showed values as high as \$35.00 per ton, the gold appearing mostly in the iron seams between the fractured quartz. Most samples were lower than this, and one sample showed \$2.20.

Enclosed you will find a very superficial report on the property, by Mr. E. Martin Thorniley. I know Mr. Thorniley personally. I believe he is honest, but I never thought very much of his ability. Therefore, you will have to read Mr. Thorniley's report with a certain amount of reservation, but this is probably not necessary, as the report says very little.

I arranged with Mr. Cooper that I would write you inasmuch as we refer all mining matters to you. I told him that perhaps you know all about the property, and if so, that you would write us. I also said that if you did not know about the property, you might be willing to visit the property and give it the once over, as it is not far from your headquarters. He says that in case you do go, you should arrange with Mr. William Field, of Quartzsite, to take you over the property. Mr. Field is reported to be Road Supervisor for the district, and having lived in Quartzsite for a long period of time, is familiar with the old work on the property, and can tell you much of the history of the property.

I asked Mr. Cooper whether any records were available as to the grade of ore which was taken out in the early days. He said that most of the work was done by leasors, and that so far as he knew, no accurate records are available, but believed that Mr. Field could put you in touch with some men in the district, who had years ago worked on the property as leasors. The leasors, of course, were handicapped, because of the fact that they could not work the ore by reason of lack of water.

I am to communicate with Mr. Cooper when I hear from you, and we are to return the papers which I am enclosing herewith.

Sincerely,



Int'l. Dept.

W. H. ...

District	Property	Location	Owners & Operators	Date Visited	Notes
Parker, Arizona, side of Colorado River. (Cont'd)	Manataba	5 miles North Parker, near Billy Mack mine.	J. Minnich. Idle prospect.	1916 Nov. 10th	Incline 35' on silicified limestone, said to contain a little gold and silver. Very little copper stain. Little hole with ore streak four to six inches, from which Minnich states five tons sorted ore was shipped to Hayden, 13% Cu, \$17.00 Au. Small seams of quartz and copper-stained vein North. Iron-stained croppings which can be traced to Billy Mack mine. Very unattractive prospect, but it is reported that the Billy Mack Mining Company is taking it over on lease and bond.

Geological Conditions Considerations

There is one important difference between the condition in the Alaska and Australia Shafts for in the former the walls of the fissures were in diorite below the 200' level while in the latter no diorite has yet been noted and in all probability the schist continues to a substantially greater depth thus creating a condition which, in the opinion of many geologists should be more favorable for the deposition of the higher grade silver ore.

As matters stand I can see no good ⁿ reason for carrying the

(7)

Mammoth Mine

(C O P Y)

mc

Frank H. Hereford
Tucson, Arizona.

September 19, 1924.

Mr. W. P. Cohring,
419 Heard Bldg.,
Phoenix, Arizona.

My dear Bill:

Yours of September 17th, duly received. I have always understood that there was considerable lead in the Old Mammoth Mine. I don't know of any one here at the present time who could give me any accurate information upon the subject, but I will make some inquiries. I will also get and send you the name of the California parties that you could communicate with and who should know. I expect to go to California shortly and if you desire, can hunt these people up.

I am glad you have enjoyed the hot weather. I have not, fortunately, I have not had to spend a large portion of the time in Arizona, but such time as I have spent here has developed my cussing ability some. This morning, however, is a beautiful morning, with a fine fresh breeze blowing.

With best regards, yourself and family,

Yours very truly,

(Sd) Frank H. Hereford.

P:S Since writing the above, I have obtained a little further information from a friend of mine who saw some of the Mammoth assay maps. His recollection is that on the 700 feet level, there is a large tonnage of lead ore not blocked out, but more or less exposed and that assays show it to be of commercial value. Montgomery, I believe, made the assay map, but he is now some place in Georgia. ~~xxxxxxeither~~ I have the name but not the address of a man in Los Angeles who has full information. I can either hunt up his address when I am there and send it to you, or if worth the while, can hunt him up personally. If I can do anything further in the matter, let me know.

(C O P Y)

DEPARTMENT OF DEVELOPMENT
GEORGIA RAILWAY AND POWER COMPANY

Horace Pomeroy,
Manager of Construction.

Tallulah Falls, Georgia.

September 24, 1924.

Mr. W. B. Gohring,
419 Heard Bldg.,
Phoenix, Arizona.

Mammoth

Dear Bill:-

I have your letter of the 17th inst., and was glad to hear from you.

There is a good showing of lead ore on the bottom levels of the Mammoth Mine. A long cross-cut driven on the 700 ft. level from the Mammoth shaft to the Collins vein, which is separate and distinct from the Mammoth vein proper, shows a long shoot of lead-zinc ore. The vein at this point has just turned to sulphides. I had this vein sampled at regular intervals and an assay plan made, which is in the Los Angeles office. My impression is that the average was about ten percent lead and six or seven percent Zinc, over an average width of about six feet. The length of the ore shoot is considerable.

The Mammoth vein itself, which has been worked for it's gold value, also carries quite a little lead carbonates. This vein is much more open and porous than the Collins vein and I believe the oxidized zinc in this vein will extend for a considerable distance further in depth, but eventually I believe this vein will also carry a good quantity of lead when the sulphides are encountered. The Mammoth vein will average something like 15 feet in width and is a very strong fissure vein in the granite near the contact of rhyolite intrusions.

The owners of the property still look to me for advice regarding it. If you have anyone in mind who can finance the development of it I would be glad to have the assay plans sent to you and arrange for any examination you wish to make.

In my opinion, the property is well worth developing, in addition to the lead possibilities in the Collins vein, the Mammoth vein carries good values in gold and Molybdenum.

With kind personal regards, I am,

Sincerely yours,

(Sd) Horace Pomeroy.

(9) M

MAMMOTH MINE near Mammoth, Arizona.

Summary results of sampling and examination by the United Verde Copper Company in Spring and Summer of 1926.

	Probable Ore 30,000 tons.	Possible Ore 30,000 tons.
Cu.	.5 %	.4 %
Pb.	9.3 %	8.0 %
Zn.	7.2 %	6.0 %
Ag.	1.7 oz.	1.5 oz.
Au.	.015 oz.	.015 oz.

The mine makes a great deal of water and the pumping cost would be heavy. DeCamp figures that it would cost \$134,000 to properly equip the mine and carry out the development work necessary in order to be able to economically mine the ore represented by the above estimate.

GMC-s
Aug. 24, 1926.

DISTRICT	PROPERTIES	LOCATION	OWNERS & OPERATORS	DATE VISITED	NOTES
Williams River, Mohave County, Arizona	Main	56.4 m. w. Congress Junction, near Cactus Queen and Cleopatra properties. Owens Mining District.	Tappan, Owner. At present under lease and bond to Cactus Queen Copper Co. Idle.	October 10, 1917	Gneiss - schist and limestone contacts. A place has been cleared off in the alluvium in preparation for drilling. 200' away is a basic dike. A shaft 20' deep shows twisted gneiss-schist with iron stains and small lenses of quartz. 20' above is a tunnel running N. 100', at end of which is drift 10' S. E. on contact of silicified lime and gneiss. A very little copper where drift starts, none in the breast. Half way in the tunnel is a short drift N. W. showing a little copper on fracture plane. 50' above tunnel is a 10' hole on lime-gneiss contact, dip S 70 E at 65 degrees. Basic filling 4' wide between walls with some malachite and chalcocite. Another cut 20' x 10' x 4' deep, towards top of hill shows similar ore 6' thick on lime-gneiss contact. Undeveloped prospect of no great promise.

copied

L. F. T. H.

Bill L.

Mac Rae, Prof. ' visited with DD 3

Mr. John Mac Rae, Box 658 Phoenix owns a property near Payson from which it is reached by driving 12 miles on the road to the American mine & then walking $2\frac{1}{2}$ - 3 mi to his camp which is on the East Verde River one mile above the old Torrance mine g.v.

Workings are as shown on sketch below & some of his ore ran Cu 0.6%, Ag 27.00% & Pb 27% but this may have come from a small pocket or stringer.

Fred Carlson visited this prospect with Mac Rae & tells me that it is absolutely hopeless.

