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NAME.

ARIZONA- PREMIER MINING COMPANY.

DISTRICT.

Kingman, Arizona.

LOCATION.

13 miles north east of Kingman.

OWNER.

E. E. Campbell, Manager.

DATE VISITED

May 21, 1926 by J. S. Hazen

NOTES:

The property consists of 23 full sized claims, five of which are patented. The Company is incorporated for 2,999,000 shares, par value \$1.00. 1,000,000 shares remain in the treasury.

The veins occur as fissures in granite, contain complex ores, (Gold, Silver, Zinc, Lead and Copper), and are from two to five feet in width.

Development consists of a cross cut about 250 feet in length that cuts the Fountain Head vein at about 90 feet. There is about 350 feet of drifting on this vein, a winze has been sunk about 60 feet in depth, and stoping done on two ore bodies. A shaft has been sunk on the Banner vein to the depth of about 200 feet, and a crosscut driven to the Fountain Head vein. Difference in elevation make the cross cut about 100 feet lower than the bottom of the winze. Some good ore has been encountered in a drift from the crosscut, but the work has not advanced far enough to cut the ore bodies exposed from the tunnel.

About 50 tons per day are being shipped to the U. S. Smelting and Refining Company's plant at Salt Lake. A very promising property.

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NAME: ARIZONA -PREMIER MINING COMPANY

DISTRICT: Kingman, Arizona

LOCATION: 18 miles north east of Kingman

OWNERS: E. E. Campbell, Manager

DATE VISITED: May 21, 1926 by J. S. Hazen

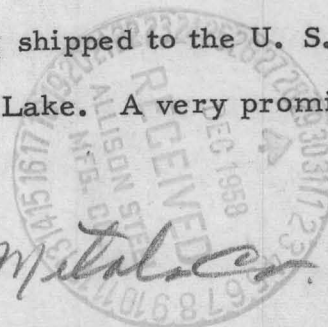
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Arizona Metal Co.



December 31, 1958

Mr. G. P. Williams
Summit Milling Company
1156 South Highland Avenue
Los Angeles 19, California

Dear Mr. Williams:

I understand that you are the owner of the Arizona-Premier Mining Claims about 18 miles northeast of Kingman and I was wondering if the property was open for a deal. If so, what type of a deal are you asking on the property? Also, if you have any mining reports, assay certificates, etc. on this property I would appreciate the opportunity of reading the same and of course would return said information to you promptly.

Thanking you, I remain

Very truly yours,

ALLISON STEEL MANUFACTURING CO.

By:
W. L. Allison
President

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W. D. LAWE -
ASSESSOR

Don Mc Craley
~~W. D. LAWE~~
CHIEF DEPUTY

OFFICE OF
ASSESSOR OF MOHAVE COUNTY
KINGMAN, ARIZONA

December 29, 1958

W. L. Allison, President
Allison Steel Manufacturing Co.
P. O. Box 6067
Phoenix, Arizona

Dear Mr. Allison:

Mrs. Van Marter is busy with License Plates,
so I will answer your inquirey of December 23, 1958.

The claims you asked about are owned
by,
Arizona Metals Co.
% G. P. Williams
Summit Milling Co,
1156 So. Highland Ave.
Los Angeles 19, Calif.

The Taxes for 1958 were paid in October
in full.

I'm enclosing your information sheet, and
I hope that this information is of help to you.

Yours very truly,

Don Mc Craley
Don Mc Craley, Chief Deputy
Assessor.



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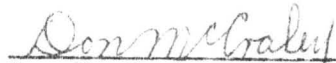
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Yours very truly,


Don Mc Craley, Chief Deputy
Assessor.

Ariz. Natl.

File 4"

Keller considers the district barren, or too low grade
 a treatment very difficult. Turned down 2/18/08.
 S.M.C.

Date Feb 8th '08
Price \$600,000 for 51% **Name** Arizona National Copper Co. (22 claims)
State Arizona, Gila Co. **District** Globe **Nearest Town** Globe, 15 miles.
Owned by Ariz. Natl. Copper Co. Pres T. B. M. Hicks **Owner's Address** Williamsport, Pa.
Presented by Col. D. B. Harris **Address** Room 1203, 7111 Broadway, N. Y. City.
Reports by M. S. Sultan
 L. Roy Lehall
 J. B. Fossil
 James Oregon
 T. B. M. Hicks
Ore Minerals Copper, oxides, silicates, carbonates & sulphides
Gangue Minerals Quartz & volcanic rock
Enclosing Rocks Footwall Hanging Wall
Character of Ore
 Silicate
 Sulphide
 Oxide
 Carbonate
 Native Metal
 Leaching
 Milling
 Cyaniding
 Concentrating — tons into one Smelting
Length of Surface Indications 2 ledges 2300 — Feet
 3000
Length of Oreshoots
 a.—Actually opened _____ "
 b.—Indicated on surface _____ "
Width of Orebodies
 a.—Proved by underground work 23' or 8' & great mass has
 b.—Indicated by cropping. _____ "
Depth of Deposit
 a.—Proved by underground works 300. "
 b.—Shown by surface contour _____ "
Ore Developed
 a.—In sight _____ Tons
 b.—Probable Ore _____ "
Average Values
 Gold 0 - 0.25 Ozs, per Ton
 Silver _____ "
 Platinum Group _____ "
 Copper 5. Per cent.
 Nickel _____ "
 Cobalt _____ "
 Lead _____ "
 Zinc _____ "
 Iron _____ "
 Tin _____ "
Cost of Power and Fuel
 Electric _____ Per H. P. year
 Coal _____ Per Ton
 Wood _____ Per Cord
Distance from R. R. or Water
 By road _____ Miles
 By trail _____ "
Distance of Water Supply
 For milling _____ "
 For domestic uses _____ "

Remarks Apparently very large bodies of ore said to average 5% Copper & with some gold values, think average grade copper will be lower than this. Considerable money needed for further development & large plant would have to be erected. If statements in reports are true and should prove a large & profitable producer. Sulphides not yet encountered, may be very low grade. S.M.C.

ARIZONA TELLURIUM LEAD MINE

(Copy of letter from Thos. H. Condon of Arizona Tellurium Mines company to G. M. Colvocoresses - August 22, 1924.

Southwest-Metals Company
Humboldt, Arizona

Gentlemen:

Your favor of 19th inst. at hand and fully noted and thank you for the information in regard to rates of freight on ore from Kingman to Humboldt. I feel quite certain we will be in position soon to patronize your smelter.

Will you kindly give us your rates on smelting charges on different kinds of ore so that we will have some idea on freight and smelter charges.

We may concentrate our ore or we may want to ship it just as it comes from the mine and if you will please state what your charges are, per ton of concentrates and what per ton on ore just as it comes from the mine. We have about ten thousand tons of ore now on the dump that will go from \$30 to \$50 in gold, silver, copper and lead 14% and we have some ore that will go as high as 75% lead and we also have some very high grade gold and silver ore carrying some copper and lead and as matters now are shaping up, we will soon be in need of your services.

Awaiting your reply, we are respectfully yours,

Arizona Tellurium Mines Company

(Signed) Thos. H. Condon

(Copy of letter from Secretary to G. M. Colvocoresses to Thos. H. Condon - August 18th, 1924.

Dear Sir:

Yours of August 14th to Mr. Colvocoresses regarding your Lead Ore. This matter will likely prove of interest to Mr. Colvocoresses when he returns to Humboldt, about the 27th or 28th, as he has been looking into the possibility of treating Lead ores at this Smelter, provided the available tonnage of Lead ore in this district seemed to warrant the necessary installation.

As to the freight rates between Kingman and Humboldt, a distance of 195 miles, these are as follows:-

| | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| <u>Value</u> | \$20.00 | \$30.00 | \$40.00 | \$50.00 | \$60.00 | \$70.00 | \$80.00 | \$90.00 | \$100.00 |
| <u>Rate</u> | 2.00 | 2.35 | 2.75 | 3.10 | 3.50 | 3.90 | 4.30 | 4.70 | 5.00 |

Yours very truly,

Secretary.

(Letter from Thos. H. Condon to G. M. Colvocoresses - Aug. 14th, 1924.)

Dear Sir:

I notice by Kingman, Arizona papers that the Humboldt smelter is considering the building of a stack to treat lead ores.

We have a large tonnage of copper, silver, lead ore on our property, both mined and to be mined. We have 10,000 tons of ore on the dump and about 100,000 tons blocked out in the mine, and we are now arranging to put a mill and we will be glad to learn of your putting in a smelter and lead stack at Humboldt.

Our property is about 15 miles southeast of Kingman, Arizona, in the north end of the Wallapais. We have a large property, capable of producing many hundreds of thousands of tons of ore.

Can you give me any idea of the freight rate on ore from Kingman, Arizona to your smelter in Humboldt? Would be pleased to hear from you.

Respectfully,

(Signed) Thos. H. Condon, Sec'y.

ARIZONA TELLURIUM MINES CO.

401 Third Hill Park Bldg,
Chicago

C. D. 7

Copy

NAME ARIZONA STANDARD COPPER COMPANY

DISTRICT SWANSEA

LOCATION 12 Miles West of Midway, Arizona, on the Swansea Parker road.

DATE VISITED April 30, 1923. H. S. McKnight.

NOTES The vein consists of an oxidized copper-iron deposit said to carry about 3% Cu and very little gold and silver. The country rock is mostly schist and the owners claim that the ore contains but little limestone.

The ore body is undeveloped and Mr. Sweeney in charge, could give no estimate of the width or tonnage of the ore in the mine. There are practically no underground workings except a 200 ft. inclined shaft and a 50 ft. shaft. These shafts are about 500 ft. apart and are sunk on the vein which dips to the north 30 degrees.

The topography of the property is comparatively flat and the intentions are to mine by means of steam shovels.

Five men are at present employed with construction of a sulphuric acid leaching plant in which they expect to leach 300 tons per day. A large part of the machinery has been installed and consists of two Primm semi-Diesel engines of 40 and 100 H.P., compressor, large Blake crusher about 34", bucket elevator, and one ball mill.

Leaching will be done in four redwood tanks, agitating in two.

At present the water is obtained from a well at 360 ft. below the surface. The present supply is insufficient to operate the mill.

A. Mr. ^{Corrigan} ~~Kerrigan~~, deceased, promoted the property and Los Angeles capital is now developing it.

It will be some time before they produce any considerable quantity of cement copper if ever.

H.S.M.

DISTRICT

Chloride

PROPERTY

Arizona Ore Reduction Company

LOCATION

3-3/4 Miles Southeast of Chloride, Arizona.

OWNERS AND OPERATORS

Arizona Ore Reduction Company -
An Arizona Corporation, Head office
1002 Citizens National Bank Building,
Los Angeles, California.

NOTES

Taken from third annual Report of the Company. Holdings comprise eleven claims. "The croppings consist of a brownish, iron-stained, sheared and cemented quartz, with a width on the surface of one to twenty feet. The ore streak will vary throughout the property from the surface to the lower workings all the way from a few inches to five feet, with a safe average of two feet."

Composite sample of 1st level ore - Au-.02 oz., Ag-4.7 oz., Pb-1.65 %, Zn-3.6 %, Cu-Tr., Sb-Tr., Fe-13.9%, S-14.4%, PiO_2 -54.8%, Mn-1.9%, CaO-.05.

Composite sample of 3rd level ore - Au-.02 oz., Ag-5.0 oz., Pb-7.1%, Zn-4.1%, Cu-Tr., Sb-Tr., Fe-17.9%, S-16.5%, SiO_2 -40.5%, Mn-1.6%, CaO-2.1%

Report claims 134,178 tons of similar ore blocked out. It is proposed to make a gravity lead-silver concentrate, carrying small values in gold. Sand tailings from concentrating tables go to waste, slimes and middlings to revolving roasters and then to tanks for acid leaching of copper and zinc, which metals are to be precipitated electrolytically. Remaining gold and silver values are to be recovered by cyaniding. Report estimates "cost of doing business", meaning thereby mining and the subsequent intricate treatment, at \$6.41 per ton.

E.S.S.
May 27, 1919

| District | Properties | Location | Owners & Operators | Date Visited | Notes |
|---------------|----------------|---|---------------------------------|----------------|---|
| Yaeger Canyon | Arizona-Nevada | 4 mi. S. Yaeger Canyon Mine, near Daisy May claims & Stanley's "Windmills" Ranch. | J. & C. Hudgens. Idle Prospect. | 1917 July 27th | Quartz vein in schist and granitic rock. Sample of lenticular white quartz, 2-1/2' wide, in discovery cut 10' deep assayed (H-130) 0.25 oz. gold and 0.35 oz. silver. Other end of hole showed very little quartz. Undeveloped prospect of no particular promise. |

Hudgens

Idle prospect

Quartz in 1936 & 37

Ironstone Valley



Copy

PRELIMINARY REPORT ON THE HOLDINGS
OF THE
ARIZONA VENTURE CORPORATION

Gentlemen:

Agreeable with your request I have just completed my personal inspection and study of the large holdings of the Arizona Venture Corporation of Pasadena, Cal., situated in the Cedar Valley and "Tom Reed" mining districts respectively in Mohave County, Arizona and beg to report:

The properties in the Cedar Valley district consist of the "Waldron" group of five claims, together with their nearby contributory groups, entitled the "Silver Cloud", "Mohave Queen", "Oversight" and "Copper Bank".

Along the entire length of the "Waldron" group, a distance of 6,000 feet, and boldly cutting the country for a distance of over three miles, is exposed three distinct closely parallel^{ed} veins, which, without doubt, constitute the mother lode or true fissure vein of this district; these veins of high-grade ore unmistakably uniting into one as depth upon them is attained.

Immediately paralleling this interesting vein system and more or less adjoining it, is a well-defined black fine-grained dike outcropping in places over 20 feet in width, which was probably originally a diorite, containing much hornblende, labradorite and magnetite.

The greatest ore bodies and mineralization occur at and near the intersections of the veins and contacts with the dike as, naturally, at these points the chief volumes of

ascending hot waters, which carried the minerals in solution, were localized or confined - and it was entirely to this powerful and long - continued thermal action that the rich deposition of the ore bodies throughout the entire length of the veins were due.

Upon the "Waldron" a tunnel has been driven upon one of the veins a distance of 115 feet which gives a maximum depth of about 100 feet. At the breast of this tunnel the vein is about seven feet wide showing five feet of ore. The Gangue is a pure quartz with calcite, the ore being pyrite, chalcopyrite, tetrahedrite, bornite, bromyrite, galena and gold - the latter being in the pyrites. This class of ore is ideal for concentrating. The presence of bornite (peacock copper) alone is one of the truest and most positive proof of enrichment and permanency. The gross average of numerous assays is \$37.55 a ton. If the gross output should reduce this average, however, to one-half, there would still be left a margin of profit to insure tremendous dividends.

By extending the tunnel about 100 feet there will be encountered, at a depth of about 200 feet, a tremendous body or chimney of ore of unusual richness, which was caused by the system of veins uniting at this point, as is unmistakably evidenced by the surface croppings.

The entire country rock of the district is the oldest known, being the pre-Cambrian or Eozoic, and consists of massive granites more or less porphyritic and here and there altered to schists and gneisses of various kinds. It is in such formations that the best and permanent ore bodies are found.

The "Waldron" group most certainly presents features of more than ordinary importance and should under honest and intelligent management be easily developed into a great producer. There is abundant mining stulls nearby and ample water for milling and domestic purposes in the Deluge Wash Canon which crosses the "Waldron" group. In connection with this main group I was most favorably impressed with the showing of the others, especially the "Silver Cloud", and "Mahave Queen" where I found considerable ore exposed.

The mill-site, as located, is convenient for all the properties.

In addition to the Cedar Valley holdings in the Wallapai Range of mountains I was equally impressed with the groups in the San Francisco district, situated 30 miles of Kingman and within three miles of the famous "Tom Reed" and "Goldroad" mines, known as the "Big Bill Taft" group of three claims which is distinctly a free-milling proposition. This should develop into a mine at least the equal of the "Tom Reed" which is now producing with a 20-stamp mill, \$120,000 in gold per month.

Within the four years past the "Tom Reed" shares (owned principally by Pasadena, Cal. people) have jumped from 10 cents to \$3.00 a share. The "Goldroad", recently purchased by the United States Smelting Co. for \$3,000,000, produced last month about \$100,000 in gold and has produced up to date, according to Government reports, over three million. The Company is now doubling the capacity of its stamp mill.

In conclusion, permit me to say that the Arizona Venture Corporation is capitalized for \$500,000, par value

of shares being \$1.00 each and that, considering this low capitalization and the extensive holdings of the Company, situated as they are, in one of the very best and most rapidly developing mining districts in the world, the present price of 25 cents a share ~~per~~ for its first allotment of 30,000 shares of the Treasury Stock is certainly extremely low and that after the proceeds of this sale are used for further development purposes, the next 30,000 shares should sell easily at 50 cents a share, if not at par.

Respectfully submitted,

(Signed) B. F. HOLCOMB,

Mining Geologist.

Dated at
171 Madison Avenue,
New York, N. Y.
Nov. 2, 1912.

Name - ASHCRAFT MANGANESSE
Location - Bouse
Date - May 7, 1929
Notes - Mr. G. M. Colvocoresses,
Mining & Metallurgical Engineer,
Humboldt, Arizona.

Dear Sir:

I have just returned from a trip into Arizona on which I called on Mr. George A. Ashcraft, near Bouse, Arizona. I examined the manganese property that Mr. Ashcraft has and compiled all of the showings.

This property seems to be a different one than that described in your letter of November 14th, 1928 to Mr. D. M. Barringer. I am wondering if there is another property that we ought to investigate.

The Bouse property is located in a quite flat country and it would be necessary to sink shafts for its development. I have not as yet received the analyses of the samples taken but it does not appear that any of the material would give 47% manganese. This property is only three miles from the railroad and not thirty as given in your letter and it is a good distance from the Colorado River. Mr. Ashcraft informed me that there have never been any shipments from his Bouse property.

I thought that there will be no objection in writing you direct in this matter as Mr. Barringer has turned the matter over to us. I will appreciate any information that you can give that will straighten out these differences.

Yours very truly,

L. R. Kniffin, Mgr.

MANOVER BESSMER IRON & COILER CO.
Pierro, New Mexico.

Letter TO G. M. Colvocoresses Nov. 5, 1928

Dear Sir:

We have a very high grade deposit of Manganese consisting of eleven claims. This deposit lies in such a way that by tunneling you can get a foot of depth to every foot of tunnel.

Samples taken from the main deposit ran as high as 47% and this was not a picked sample. This property lies 30 miles from the railroad, and within a quarter of a mile from the river.

Ore was shipped during the war from claims to railroad for \$5.50 a ton. With the proper facilities one should better this price. As this river has depth enough for a fifty ton boat, and one could make a round trip a day.

(Signed) J. D. O'Connor

ASHCRATE MANGANESE, Continued.

Letter from G. M. Colvocoresses - Feb. 5, 1929
to W.W.Rice, Vice-Pres.
United States Smelting, Refining & Mining Co.
1 State Street
Boston Mass.

Dear Sir:

On looking up my file, I find that this property was submitted to me in April of 1928, and I am not sure that it is still open for examination, but am writing to the owner today to determine the present status. The only description which I have concerning the said manganese deposit was contained in the letter from the owner, of which I presume Mr. Barringer sent you a copy, but from which I quote as follows:

"Would your or any of your clients be interested in a big manganese deposit in this section of the country on a fault plane over one mile in length, only three and one-half miles from Bouse, Arizona, a R.R. station, and a good road to the property? If interested it would be a good idea to come and examine the property and take samples to suit yourselves, as I don't know very much about manganese."

I do not personally know anything concerning the said property, except that I have heard various engineers mention that there are promising deposits in the vicinity of Bouse, and I understand this is one of the deposits to which they refer. It is presumably merely a prospect, and would require considerable development to determine its value.

G.M.C.

✓

THE ARKANSAS & ARIZONA COPPER CO.

Large territory adjoining the United Verde ground to the north. The Goodrich & Lockhart Syndicate, operators. Halstead, Lindsley & Robert Livermore, Consulting Engineers and Managers. J. Galligan, Superintendent. Mr. Peterson, foreman. Visited the property September 17th, 1916. Shaft 1600 feet deep. It was still being bailed out, so was in-accessible. Lindsley told me they had no ore at present, but he hoped to do business with the Humboldt Smelter if they struck any worth while. I was informed that there were several cross-cuts west of the shaft, some 1000 to 1300 feet long, not disclosing any commercial ore. It was expected to start crosscutting on the 1600 foot level about the end of September, but the exact direction to be taken had not been decided. The part of the property being explored is on the upper or west side of the big North-South fault which passes thru the United Verde ground.

The equipment consists of three large boilers, Imperial type Compressor and an older Rand steam compressor. There is a large Allis-Chalmers double drum hoist, but only one drum is used. It is the intention to enlarge the shaft to 3 compartments, if ore is found. The single boiler holds 1000 gallons of water and makes the trip in 5 to 6 minutes. There is a pump on the 600 foot level with a capacity of 200 gallons per minute. Steam, air, and electricity are used for pumps on various levels.

S-7

NOTES ON ARIZONA WESTERN MINING COMPANY'S MINE.

District: Black Canyon on Turkey Creek.

Location: 1½ mile East of Cleator and on west side of Turkey creek.

Owners: Arizona Western Mining Company. *Judge Allen, Mgr.*

Date Visited: July 19, 1929, by G. J. Harbauer.

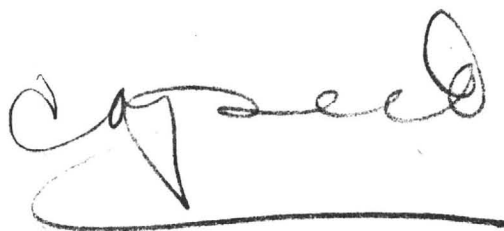
Geology: Flat vein in Yavapai schist. Vein minerals consist of galena, pyrite, sphalerite and chalcopyrite in a quartz gangue. Width of vein up to 6' with high grade streak next to each wall and sulphides scattered thru balance of vein filling. Sulphides contain good gold and silver values.

Development: Flat incline shaft now being sunk on vein. Is down 200' and has reached water level. 2 men working at date of visit.

Equipment: 6 H.P. hoist and portable compressor. Plans for larger operations awaiting capital.

Several cars of ore were shipped recently from surface workings. May be producer of lead-zinc ore, but more likely will need a mill to market production in form of lead-zinc concentrates.

G. J. Harbauer.



| DISTRICT | PROPERTIES | LOCATION | OWNERS & OPERATORS | DATE VISITED | NOTES |
|---|--------------------------------------|---|---|---------------------|---|
| Castle Creek, Yavapai Co., Arizona. | Arizona Virginia or Champie | 30 M. N.E. Hot Springs Junction by poor road. 9 M. East Constel- lation by trail. Near old Briggs Smelter on Castle Creek and Copper- opolis. | Arizona Vir- ginia Mining Co. of which A A Johns, Tregrove and E C King are promoters. P A Johns, Manager. Idle - nobody on ground and no camp supplies in sight. | October 13, 1917 | <p>Mass of bedded schist and granitic rock with considerable iron oxide, 80' wide, granite on either side. To South-East of mine workings are exposures of andesite and rhyolite tufa overlying nearly flat beds of schist, the latter, no doubt, part of the Yavapai formation. The schist has small lenses and stringers of fine grained acidic rock through it. The overlying granite varies from fine grained to pegmatite and sometimes resembles alaskite.</p> <p>The iron stained bedding containing the ore, in the form of chrysocolla and malachite, has a N E - S W strike and is exposed from top to bottom of the gulch, about 300' vertically. The ore, of which very little is left in sight underground, apparently occurred in little bunches and wedges on fracture planes in the iron stained bedding. A tunnel runs about 120', S 70 E, along a fracture plane, slickensided in places. On a cross fracture plane is wedge shaped breccia, maximum width 1', length 3', showing a little copper. Lenses of fine grained porphyritic material in mica schist sometimes show a little copper, but there is very little copper now exposed anywhere in this tunnel. Alongside mouth of tunnel is a winze (incline) about 20' deep, dipping north about 75 degrees. Another tunnel a few feet away is about 50' long, S E, with a turn 10' at the end. One copper stained lens 4" x 12" was observed. The dump consists mainly of silicified dark colored schist with iron throughout, and chrysocolla and some lime in seams. Porphyry, rhyolite tufa, and andesite also appear on the dump, which is more or less covered with copper stained fragments. Lower down, towards the bottom of the gulch, is another tunnel with very little copper showing on the dump, which consists mainly of iron stained mica schist. Some fairly good ore has been shipped to Humboldt by Champie and the present company, but the prospect looks unpromising.</p> |

L. F. H.

Name - AUSTIN PROPERTY (Mystery Mine)
Location - Hillside
Date - August, 1934.

Notes:-

In Eureka district, near Burro Creek. Presented by A. J. Austin.

To get there drive 37 miles west on Kingman Road from Hillside and turn to left at sign "Mystery Mine" and drive $\frac{1}{2}$ mile.

A large quartz reef with width of 20' or thereabouts with several shafts which go down to maximum depth of 24' where the vein seems to be cut off by a fault and runs into trap rock of granite. Another vein 16' wide and another 12' wide, but very little development. Not much water nearer than Burro Creek, which is $4\frac{1}{2}$ miles distant.

Staked and worked by Austin and partners who will give 1/5 interest to Engineer who would inspect the property and advise them regarding development etc.

Might be worth visiting and at same time try to see big low grade mine near Burro Creek.

Just a raw prospect but may have some possibilities.