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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BUCKHORN (DRUMM) GROUP

ALTERNATE NAMES:
MARDIS

YAVAPAI COUNTY MILS NUMBER: 386A

LOCATION: TOWNSHIP 8 N RANGE 3 W SECTION 23 QUARTER W2
LATITUDE: N 34DEG 01MIN 32SEC LONGITUDE: W 112DEG 32MIN 54SEC
TOPO MAP NAME: MORGAN BUTTE - 7.5 MIN

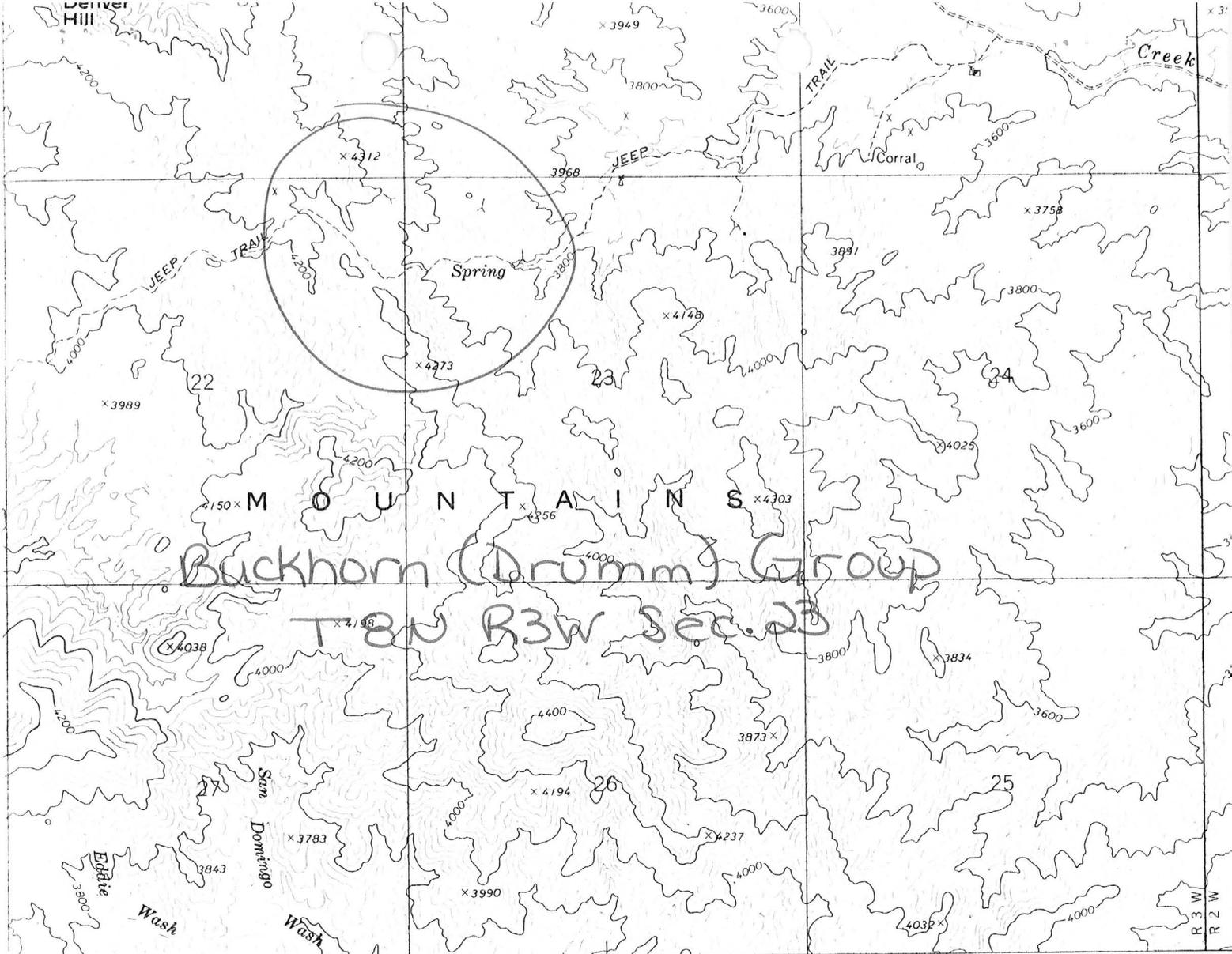
CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

COPPER SULFIDE
COPPER OXIDE
GOLD
IRON
QUARTZ CRYSTAL

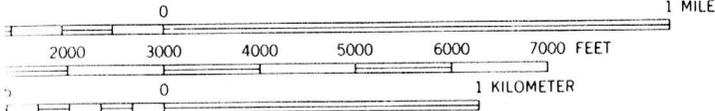
BIBLIOGRAPHY:

USGS MORGAN BUTTE QUAD
ADMMR BUCKHORN (DRUMM) GROUP FILE
BLM MINING DISTRICT SHEET 258
THE MINES HANDBOOK VOL XVIII 1931 P 266-267
BARBARA-MARSHAY MINES
CLAIMS EXTEND INTO SEC. 14, 15 & 22



(RED PICACHO) 356
3451 1 NE

SCALE 1:24 000



CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

CONFORMS WITH NATIONAL MAP ACCURACY STANDARDS
AVAILABLE FROM THE NATIONAL CENTER FOR INTRODUCTION OF SURVEY DATA, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
ADDITIONAL INFORMATION AND SYMBOLS IS AVAILABLE ON REQUEST

Morgan Butte
7.5'



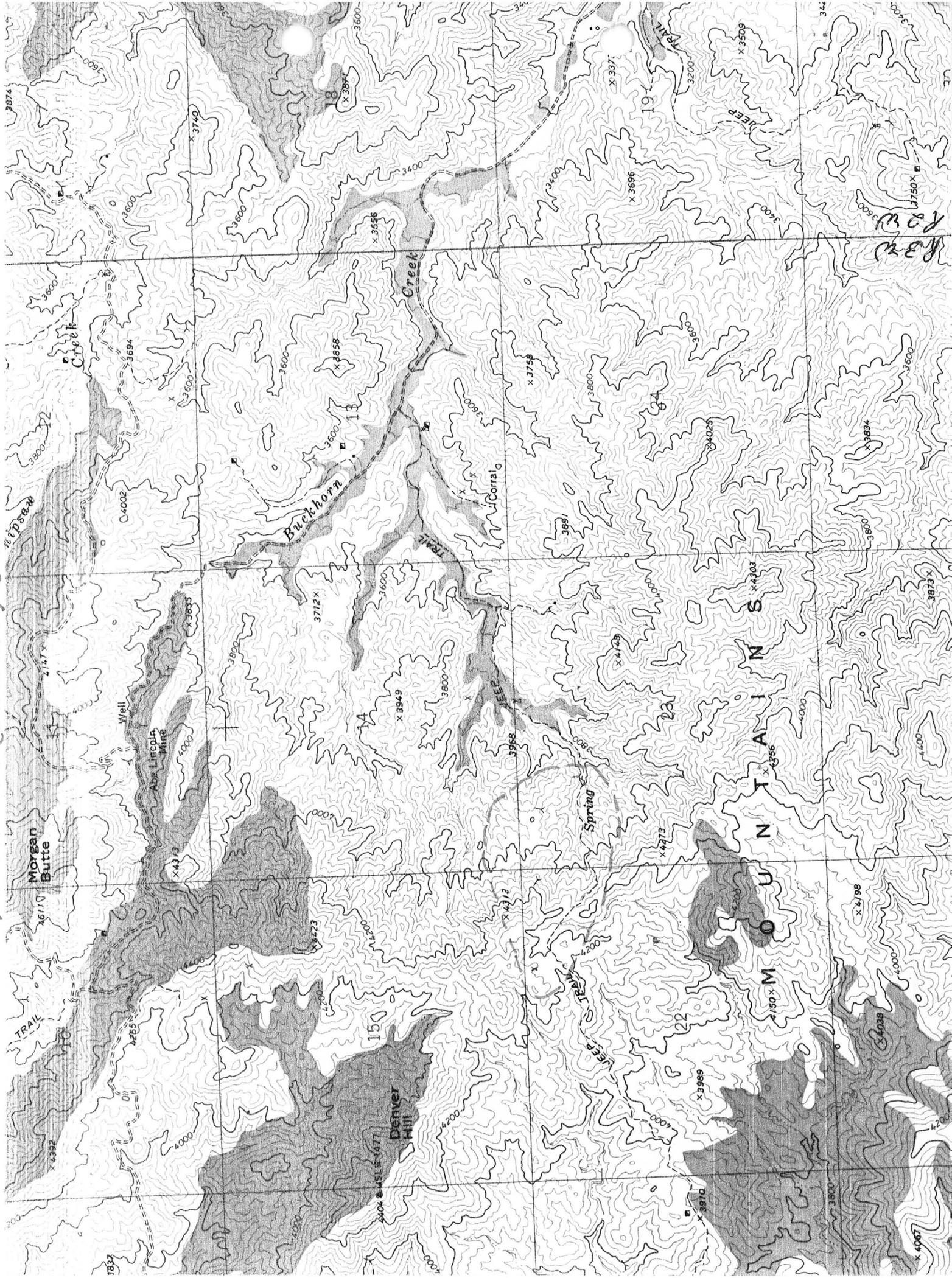
QUADRANGLE LOCATION

Primary highway, hard surface ———
Secondary highway, hard surface - - - - -
○ Interstate Route

ARIZONA MAP SHOP
& SUPPLY
1315 N. Central Ave.
Phoenix, AZ 85004 258-9345

BACKHOEN (DRUMM) GROUP

Morgan Butte Quadrangle T-871



BUCKHORN GROUP

YAVAPAI COUNTY

MG WR 3/29/85: The Buckhorn (Drumm) property of Yavapai County, consisting of 12 patented claims, 239.7 acres, is owned by Mr. Ed B. Brooks, Sr. 3701 Hanover St., Dallas, Texas 75225. The county assessor's parcel number is 204-21-26.

SUPPLEMENTAL REPORT

ON THE

HOUSTON-ARIZONA COPPER COMPANY'S MINES
(Known as the Buckhorn (Drum) group of copper mines).

AMENDED SURVEY:

Since making my report upon this property dated February 3rd., 1906, there has been a large and valuable acreage acquired adjoining the original group, a map of which accompanies this supplemental information and report, and to which please make direct reference when it will be observed that this group of mines has a total territory of 268.58 acres of very highly mineralized land.

NAMES OF MINES:

The names of the claims are known as:-

- OZARK EXTENSION
- NEW DEPARTURE
- MONARCH
- WILD ROSE
- JUDGE "B"
- BLACK HORSE
- VICTORIA
- COPPER KING
- MARDIS
- HOUSTON
- KING EDWARD
- COPPER PRINCE

ADDITIONAL LOCATION:

In addition to the 13 claims above mentioned, the Ozark No. #1, Ozark No. 2 and a valuable claim at the northerly end of the Copper Chief have been taken into this group, as will be seen by the map hereof, making a greater acreage and adding other valuable mineral lands, all of which is in a perfect group and a solid body.

TITLE:

The title to this group of mines is perfect and without adverse conflict. The 13 claims first above mentioned have been surveyed by a United States Deputy Mineral Surveyor and have been found to be all full claims of over twenty acres each, and are now in process of U.S. patent.

ROAD IMPROVEMENTS:

Additional wagon roads and trails have recently been made and old ones well repaired, making all places about and around the mines very accessible. Many other improvements have been made on the main road to Wickburg and the drive is made in less than two hours.

RECENT DEVELOPMENT:

Upon my visit to this group of mines, the first examined was the Copper Deposit Chief, one of the last acquired. I find the ground exceedingly well mineralized, there is a fissure vein of a ferruginous quartz character and is from three feet to twelve feet in width, running the full length of the claim. From the tests made from the various cuts, shafts, etc. the vein matter carries a low per cent of copper and a good quality of gold, mostly of a free state. There is a strong cross ledge extending across the general formation, being from ten to forty feet wide; samples from this gave me assays from \$4.00 to \$50.00 per ton. Of course, the showing is on the surface and is not well developed but from the work which has been recently done in a prospecting way shows remarkably fine and will make a great mine when developed.

COPPER CHIEF:

This claim has several large veins, running across and lengthwise of the ground as shown on the map. It is prospected by location shaft twelve feet deep and open cuts on the vein, the width of which cannot be determined at present and traceable for over two thousand feet, giving assay value from \$4.50 to \$1.00 in gold, and copper of a paying per cent. The formation being porphyry, lime, shest and quartzite; the vein matter is an oxidized iron and quartz filling, at times carrying free gold, copper and iron. With further work this mine can be made most valuable.

KING EDWARD:

This mine has a true fissure vein running its full length. About 700 feet from the north end there are two cuts exposing the vein and showing it to be over fifteen feet wide, the filling being iron and oxidized quartz, has a large tonnage of copper ore in sight besides copper glance, cuprite and azurite. Assay samples show copper 3-1/2% to 33.28% and \$6.00 to \$3.50 per ton in gold. The several openings show work done to extent of some thirty-five feet. The dykes and veins upon this ground are very perceptible at the surface and are traced throughout the property. Shipments could be made from this mine with but little further development.

COPPER PRINCE:

The Copper Prince has a fissure vein traceable the full length. It has a 12 foot incline shaft showing a good grade of ore four feet wide; also about 12 inches of copper glance and red oxide of copper which runs from 25% to 40% copper. There are other shallow openings which show a fine grade of copper ore wherever the work has been done. A heavy quartz dyke runs across this claim carrying gold of a paying value. With but little development, this property can be made a mine and an immediate shipper of both copper and gold.

WILD ROSE:

The next property visited was the Wild Rose claim. This claim has a mammoth silicious dyke extending from the East end of the claim in a Southwest direction through the Judge "B" and as demonstration on the map of this group, this gold quartz dyke has all the appearance of a permanent fissure vein and is thirty feet to eighty feet in width. Samples taken from the various openings show values in gold from \$4.25 to \$17.00 per ton in gold. At the date and on the 25th day of May the tunnel was in a little over 75 feet, which is being run to cross cut and prospect this large dyke. The last round of shots appeared to be breaking into the wall. This tunnel is a fine piece of mining work and five by seven feet in a clear will suffice as a working tunnel from which to extract the ore. There is a thirty foot tunnel up higher on the hill which was made to prospect and determine the values of the ore at the surface from which all tests have been satisfactory, showing the ores to carry a value as heretofore stated. When the cross cut tunnel is driven through this dyke, I firmly believe that it will be one of the largest and most meritorious propositions known to this district. A personal visit to this property is the only way to appreciate the magnitude and merit of the mine.

JUDGE "B":

The Judge "B" is a valuable acquisition to the group. It has a ten foot drift and open cut sufficient for location work. The ground is well mineralized, carrying both gold and copper and is worthy of the expenditure of some money to further open up the big quartz dyke and other strong veins known to exist within its line. This claim is located on the crest of what is known as the divide between the Buckhorn and Hamlin Wash. Some free gold has been picked up on this claim.

THE MONARCH:

The development work on the Monarch is done about the center

of the claim. It has a twenty foot drift and a ten foot shaft, both showing fine ore, (see glance in a well oxidized vein) which is high grade. This vein is very heavy and several feet wide. The location work is done near the East end of the claim close to a never failing spring, which is a very valuable adjunct to the property. There is a quartz dyke running diagonally northwesterly through the claim and which is one of the net work of veins known to exist in the Mardis, Copper King and New Departure mines of this group. Several open cuts are also made on the Westerly end of the Monarch which prospects the property, all having a fine showing in copper.

MARDIS:

This is one of the principal mines of the group having a net work of rich veins crossing it diagonally, all ore very strong and well defined, has an eighty-five foot tunnel run to cut the copper dyke which passes through the property just above the main wagon road. This enormous vein should be intersected by the tunnel within the next fifty feet of work. This tunnel is in good shape and will make a suitable bore for all future operations. Several cuts and shallow workings are made upon the various veins to prospect the property, which at all times and places has proven satisfactory, exposing ore of an excellent quality. Parcels of ore taken at intervals gave assay returns from six per cent to thirty per cent in copper with a fine showing in gold. The veins on this claim have a Southwest and Northeast course and accessible to good roads and can be reached by cross cut tunnel workings, making mining operations most favorable.

HOUSTON:

The Eastern portion of this mining claim is a veritable mountain of oxidized quartz-iron, carrying some red oxide of copper. It is simply impossible to estimate the magnitude of this deposit. The ore samples taken from the cut made for location work gave gold returns of \$7.20 per ton, which is a very satisfactory percentage of copper is perceptible in places of this ore deposit. The North end of this claim is the highest point on the group. Gold bearing quartz is found in several places on this claim and with sufficient values to materially justify further development. I consider this claim a valuable tract of mineral bearing ground.

VICTORIA:

This mine is developed by a fifty foot cut on a strong ferruginous quartz vein, carrying high grade copper ore. This large vein is well oxidized and located on the westerly end of the claim, while another strong silicious-lime dyke crosses it at right angles, all of which represents fine copper ore of shipping values. Several samples tested for copper gave 12% copper. The veins are very strong and large and are easily estimated from 20 to 30 feet and with depth prove both permanent and rich in gold and copper.

COPPER KING:

The Copper King mine is one of the best claims in the group. Paying copper ore is found in several places, especially where any work has been performed. There is a forty foot tunnel run in on a five foot vein; has two feet of (according to tests) ore being seventeen per cent copper and the balance of a lower grade. This lead or vein is easily traceable through the entire property. This is one of the strongest and richest veins in the district and in the various cuts and openings along its course shows glance, malachite and azurite, and an endless tonnage of low grade copper ore, and it is safe to say it is destined to become a very heavy producer of copper ore.

WILD HORSE:

This claim is one of the central figures of the Buckhorn group. Near the West end of it has a forty-foot incline four by eight feet in the clear; shaft well timbered with square sets and well equipped with necessary mining devices. This shaft is all in good copper ore and there are a number of tons on the dump. From all appearances this will make a permanent producer. Several shallow workings were made in places to prospect the ground and in all instances with success. There is a black dyke angling through this claim which has been tested for values which carries both gold and copper, but not yet sufficiently improved to determine its real value. As seen by the plan of these mines, there is a mammoth porphyry dyke from 100 to 300 feet wide, which carries gold from \$1.50 to \$2.50 per ton, several ounces of silver from 1-1.2% to 3% copper and an endless quantity of iron sulphide. This entire dyke should make a model concentrating proposition. The Black Horse mine is a first class property and when developed must rank amongst the best shippers.

THE NEW DEPARTURE:

Upon this claim the mining camp is established, everything in the vicinity centering at this point. The improvements consist of an office, four dwellings, two barns for the stock, boarding house, blacksmith shop and several other buildings of minor importance. About 400 feet from the West end of this claim there is an incline shaft about 100 feet deep. This shaft makes considerable water and it is at present found difficult to handle the water by a bucket and it is proposed to install a steam pump and continue sinking. I believe this point to be the proper place to put down a working shaft, as all veins and the general formation centers at this point. There are many shallow cuts, shafts, tunnels and such workings upon this claim are sufficient to show it to be a very certain producer, with but little work. There is a 100 foot tunnel near the west end of the claim which was driven to cut the formation and prospect the ground, but for lack of capital was abandoned some years ago. At a point known as Drumm's cabin there are several short tunnels and drifts which show the ground to be well mineralized, carrying a good percentage of copper and some gold. This prospecting was done by men without means, but it is of value to the mines as it readily demonstrates the value of the ground from a fair standpoint.

NEW LOCATIONS:

Three (3) new locations have recently been made known as the Ozark No. 1, Ozark No. 2 and Copper Chief extension. In looking over the ground, I find them to be very valuable and all have good strong veins and with some work will prove to be mines. The Copper Chief Extension has considerable development and some good copper ore on the dump.

NOTATIONS:

This mineral territory and district is not unlike the other great copper producing districts of Arizona, but is very similar in all respects. Intelligent labor well directed will unfold one of the greatest copper-gold mines.

With depth it will be found that the values are fully in place and in enormous bodies of a high grade. All the veins, leads, dykes, and chutes have a tendency to dip to a common center in this group, carrying values at all points and the entire property is a net work of mineral veins and are from a few feet to several hundred feet in width. The physical and general conditions are perfect and most favorable with good roads, trails, etc. to every point upon the ground, which makes this property an ideal mining proposition of great value and unlimited resources.

I will state that with systematic work upon this property it can be opened up to command the earnest consideration of capital without recapitulation and fully justify the construction of milling machinery, smelters and other mining devices of large capacity. The feature of your ledges, dykes and veins being unmistakable true fissures of great length without faulting.

In conclusion I can thoroughly commend this group of claims to the attention of the investing public, and fully believe, with proper and systematic work, it will prove to rank among the largest and richest in the territory of Arizona.

Yours faithfully,

Dated at Denver, Colo.
June 5th, 1906.

E.W. Sebben, M.E.