



## **CONTACT INFORMATION**

Mining Records Curator  
Arizona Geological Survey  
1520 West Adams St.  
Phoenix, AZ 85007  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

## **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

## **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

## **QUALITY STATEMENT**

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 06/20/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: RURAL MINE

ALTERNATE NAMES:

HAGEY MINING CLAIMS  
BUCKEYE

MOHAVE COUNTY MILS NUMBER: 105A

LOCATION: TOWNSHIP 23 N RANGE 17 W SECTION 18 QUARTER NW  
LATITUDE: N 35DEG 23MIN 16SEC LONGITUDE: W 114DEG 08MIN 23SEC  
TOPO MAP NAME: CHLORIDE - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER  
GOLD LODE  
COPPER SULFIDE  
IRON SULFIDE  
ZINC SULFIDE  
LEAD SULFIDE

BIBLIOGRAPHY:

ADMMR RURAL MINE FILE  
AZ MNG JNL, AUG. 1029, P 13, 31  
ADMMR MOHAVE CARD FILE  
ADMMR MOHAVE CUSTOM MILL PROJECT  
SCHRADER, F.C. "MIN. DPSTS OF CRBT RNGE, BLCK  
MTNS, GRND WSH CLFS, AZ" USGS BUL 397, P 83-4  
BASTIN, E. "ORIGIN OF RICH SILVER CHLORIDE &  
KINGMAN" USGS BULL 750-B P 24, 1925  
SCHRADER, F.C. "MIN. DPSTS OF CRBT RNGE, BLCK  
MTNS, GRND WSH CLFS, AZ" USGS BULL 340, P 66  
AZ. STATE MINE INSPECT. ANL RPT, 1920, P. 8

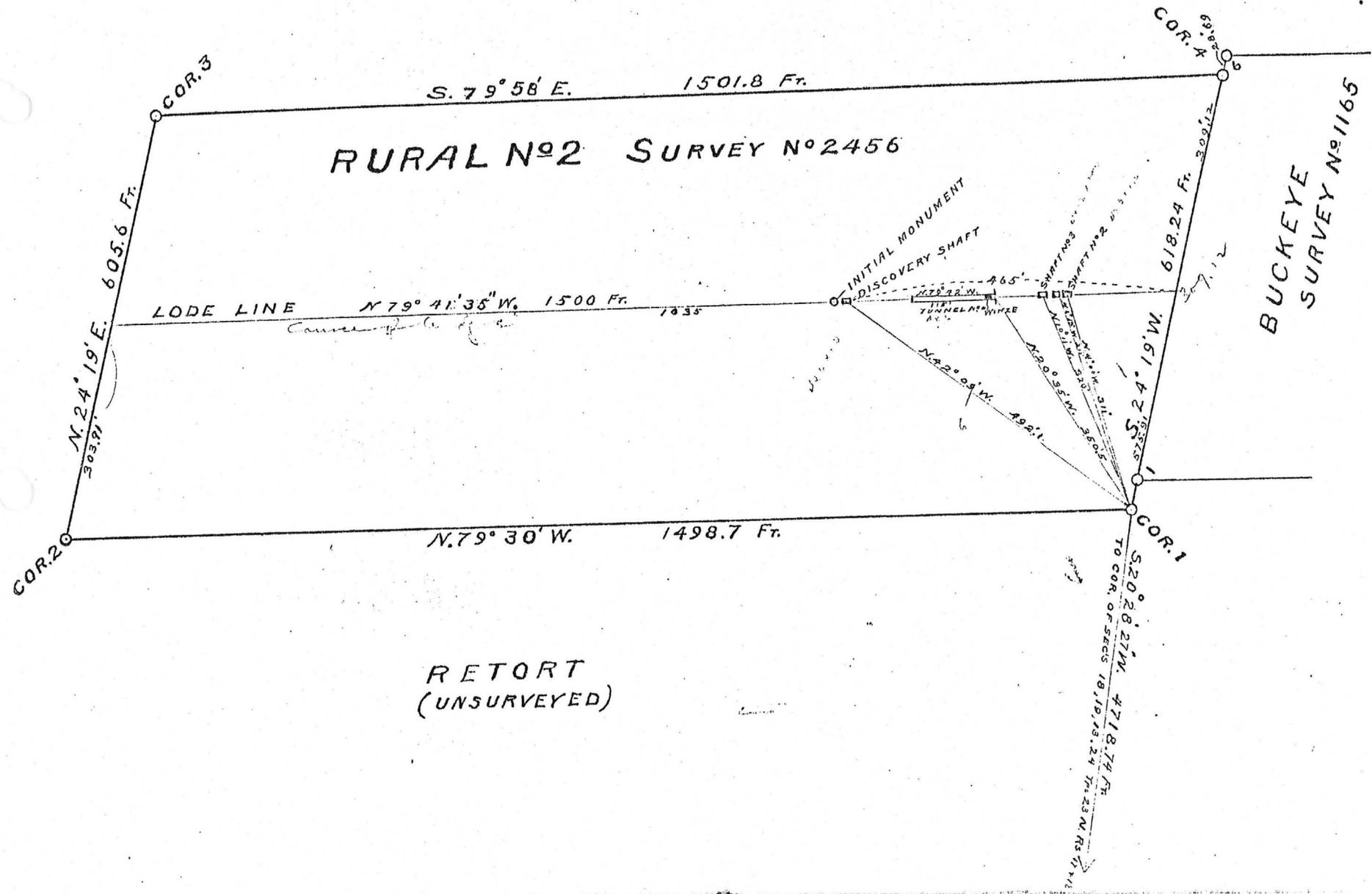
T 23

2

NOT LOCATED

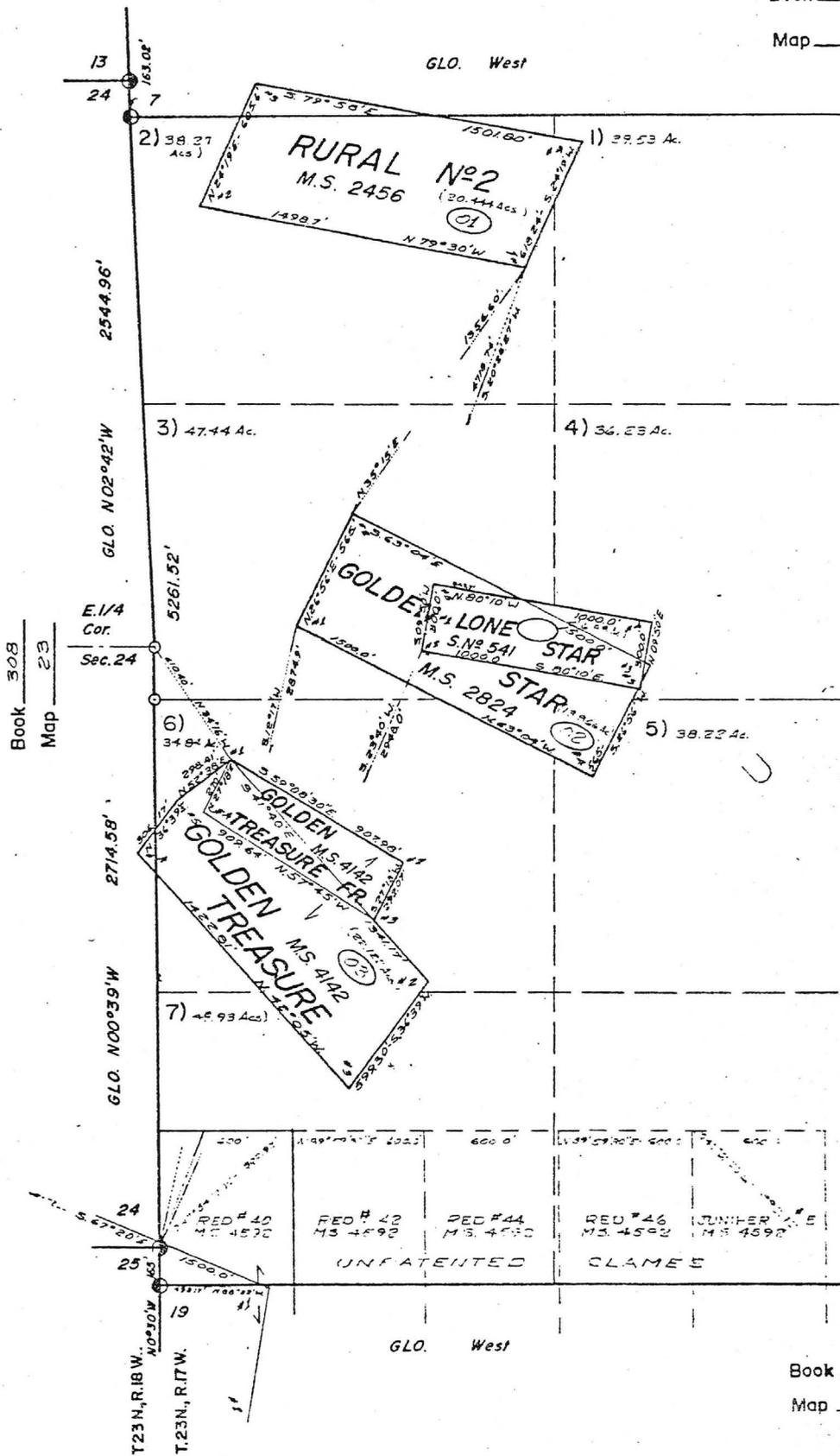
# RURAL N<sup>o</sup>2 SURVEY N<sup>o</sup>2456

BUCKEYE SURVEY N<sup>o</sup>1165



Book \_\_\_

Map \_\_\_



Book \_

Map \_

3

Reports from the Rural Buckeye mine indicate that the property is opening up better than the expectations of its owners, M. B. Dudley and associates, and a large milling plant is now under consideration. The office of the company is at Kingman.

## BUCKEYE RURAL HITS RICH ORE OF EARLY DAY FAME

An upraise from the 160 level of the Buckeye-Rural drift and close to the end lines of the properties, has opened a wonderful showing of ore. Samples taken from the opening show the same grade of ore that was found in the property in the early days and the impression is that this shoot will run to the surface, that section of the property being virgin ground. The drift is being carried from the Buckeye workings into the Rural, where it is expected to get below the old workings and open up the ore bodies. Considerable ore has been found wherever the drifts have been run and these streaks are found to be developing great importance. The new shoot carries masses of native and silver sulphides, as well as big values in gold.

The Rural and Buckeye were only developed to superficial depth by the old owners, but there was taken a big tonnage of wonderfully rich silver ore. Shoots of native silver ore was opened in various parts of the mines that created sensations even among mining men who were used to seeing rich silver ores. For beauty and value the specimens taken from these mines have never been duplicated, and we would not be surprised to see the present management bringing in duplicate specimens of this old time ore. The vein is found to be large and there is a wonderful tonnage of mill ore now in sight. Every day brings to light new ore and when the property is opened at the 500 level we may expect wonderful things from it.

M. B. Dudley and his associates are well pleased with the new ore bodies just brought to light and are having work rushed with all possible dispatch to bring development to the productive stage. From the new ore body shipping ore is now being sacked and shipments will probably soon be made to the smelters.

Rural-Buckeye Mine, Kingman, Ariz., built headframe, bunk house for 50 men, and new motor-truck road from Mineral Park, and installed electrically driven hoist, compressor, pump, drill sharpener. 1-17-20

## RURAL ORE BODY CONTINUES GOOD

The ore body opened recently on the 180 level is showing better values with the additional work. Stopes have been opened and within the next week shipments will go out to the smelter. The ore in the stopes show heavily in native silver, while the main body gives high values in silver and gold. The opening of this body of ore is of importance, showing as it does, that the ore bodies are almost continuous throughout the Rural and Buckeye ground, where heretofore the shoots in the old works were short, especially the rich ore bodies. The tunnel to the east on the Buckeye shows ore of high-milling value in virgin ground, and with the connection to the west with the Rural the ore shoot is maintained for many hundred feet.

## RICH SHOOT OF ORE RURAL 50 FT. LEVEL

The drift from the 50 foot level from the Buckeye shaft, toward the Rural mine, at Mineral Park, is being driven in the richest ore thus far encountered in that property. The streak is widening as progress is made on the drift and the expectation is for the opening of as large a vein as that shown at the lower level. From the 160 level a stope has been opened and wonderfully rich ore is being extracted. From four places in the property ore is now being taken and sacked for shipment. The first shipment is expected to bring big returns, the ore showing heavily in native and ruby silver.

With exploration on the lower level indications point to the development of one of the richest silver properties in the county. While the vein is not as large as some of the other properties the values are exceptionally high.

## FAMOUS LODI MINE TAKEN OVER BY RURAL

Gus Deuches departed overland last Wednesday morning to Luning, Nevada, where the Rural Mines company has taken over the Lodi mines, and where he is to assume charge. The Lodi mine is an old property, the shaft having been carried down 1000 feet into the ore body and 6000 feet of drifts, raises and crosscuts have been run, opening up an estimated tonnage of 40,000 tons. This ore contains values of about \$30 in gold, silver and lead, the silver values predominating. Three of the veins in a group of 18 claims, carry mill values. The mill has a capacity of 50 tons and may be increased materially. Tests made on the ore show recovery of 85%. Water is supplied to the camp through a 3-inch pipe line, a distance of 18 miles.

The mine is equipped with a big hoist, compressor, machines and all necessary tools. It is situated about 14 miles from railroad, but is connected by an excellent highway. It is only about nine miles from Broken Hills, the new camp that is causing excitement in the Silver State.

The mill is to be started up, at once on the dump ores, estimated at 20,000 tons and good results are expected. The company is well financed and we feel sure that it has picked a winner.

## DUDLEY LEASES RURAL RICH SILVER PROPERTY

M. B. Dudley has leased and bonded the Rural mine, at Mineral Park, and will soon be clearing it of water. He expects to equip it with hoist and other necessary machinery.

The Rural mine was discovered in the early eighties by Mike Dunn and T. J. Christie and these men shipped many thousands of dollars worth of ore from surface workings. Some of the richest native silver ore ever taken from a mine in the state was sent out from the property, and there is not a mineral cabinet of note in the world that does not contain a specimen of the ore.

Mines Co.'s property. A new shaft is being built and preparations made to put up a 100-hp. double drum electric hoist and compressor. A 100-ton mill is to be erected as soon as development opens sufficient ore. 12-19

Foundations for machinery necessary to sink the shaft to the 500-ft. level are being put in at the United American mine. Several veins outcrop on the surface and it is proposed to cross-cut these at the 500-ft. level. W. K. Redenour is general manager.

## READY FOR MACHINERY AT THE RURAL MINE

Concrete foundations for the big hoist and compressor have been cast at the Rural and Buckeye mines, at Mineral Park, and this machinery is expected to arrive within the next ten days. Arrangements have been made to have the machinery hauled to the mines as soon as it arrives. The hoist is to be of 75-hp. double drum electric, and the compressor will have 100-hp. capacity. Lines are to be brought in and connected up about the time of the receipt of the machinery.

A new shaft is to be sunk to a depth of at least 500 feet on the Buckeye vein and a drift will be carried through the fault into the Rural on that level. A thorough prospecting of the vein has been made above the tunnel level and splendid mill values found in every opening. W. W. Widowson, consulting engineer for the company, has mapped out a big development campaign and expects to see it carried out with great rapidity.

Kingman.—The Rural mine at Mineral Park has been taken over by M. B. Dudley and New York associates. A hoist has been erected and unwatering of the 200-ft. shaft is proceeding. This mine is said to have produced \$100,000 in silver from shallow workings. Mar 29-19

## DUDLEY TAKES RURAL OLD TIME BONANZA

M. B. Dudley and New York associates have taken over the famous old Rural mine, at Mineral Park. Already a hoisting plant has been placed on the property and the work of unwatering the property is under way.

The Rural mine was discovered in the latter part of the eighties and operated for a number of years successfully, although the management was in the hands of inexperienced people. Mike Dunn was the discoverer of the mine, the late T. J. Christie being associated with him in the property. During the first year or two after its discovery it produced some of the richest silver ore ever taken from a mine in any part of the world and specimens from it adorn practically every mineral cabinet of note in the country. Solid native silver six and eight inches thick, with masses of tangled wires covering it were taken out and later passed into mineral displays. Thousands of dollars worth of this rich ore was given away by the owners, who cared little for the specimens. The main ore body carried high values in gold as well as silver.

The shaft was sunk to a depth of 200 feet and miners who worked in the property when operations were discontinued claim that rich ore still showed at that point. We are of the opinion that as good ore will be found at greater depth.

The Rural is situated in the northern part of Mineral Park basin, close under the shadow of Sherum's Peak. It is in a locality where rich silver and gold ore has been found in practically all the veins and produced from the shallow depth fully \$100,000 in ore. The vein is not large, but it surely put all other mines of the camp in the shade when it came to

## NEW RURAL SHAFT GOING DOWN FAST

The two compartment shaft on the Rural mines is now down 25 feet and going down rapidly. This shaft is being sunk on the footwall part of the Buckeye vein and will be carried to a depth of 500 feet. The footings and concrete foundation for the hoist and compressor has been put in and the machinery is expected here within a short time from Denver. The machinery consists of a big electrical hoist and an electrically driven compressor. The high tension line being strung into the camp and will be ready for use the latter part of next week. A big transformer building and transformers are being put in that will safeguard operations against the usual electric storms that have caused some delay in other camps. The line is being reinforced from the main line below Mineral Park and will be of capacity sufficient for all needs.

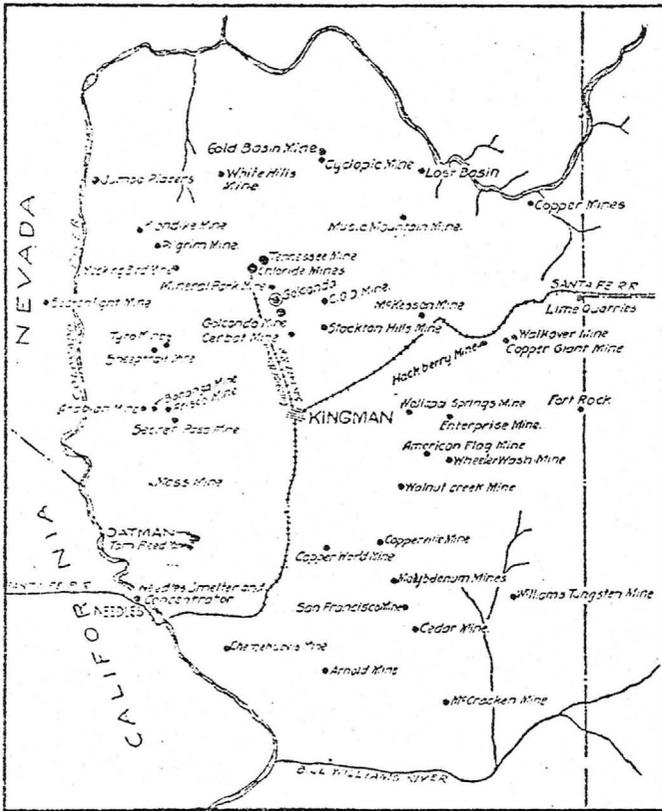
A splendid wagon road has been built into the camp and everything possible done to facilitate operations when the big plant of machinery is in commission. A good crew of men are at work on the property and this crew will be largely added to as soon as the hoist is in place. A pumping plant is being installed in the old Buckeye shaft for the purpose of clearing it of water and making it

## MINERAL PARK SECTION ACTIVE

The property of the Rural Mines company presents a very busy appearance and from twenty to twenty-five men are now being employed. The camp is completed and rapid progress is being made on the new road which will make it possible shortly to go direct to the camp with an auto or truck. Part of the heavy equipment will arrive this week and will be installed as rapidly as delivered. A 100 horse power double drum electric hoist and 10m drill compressor will be among the first of the machinery, to be followed shortly by a 100 ton mill. It is the intention of the management to immediately inaugurate a vigorous campaign of development of the various levels of both the Buckeye and Rural claims where a large tonnage of high grade mill ore is available.

The Rural and Buckeye gold-silver mines in the Mineral Park district have been taken over by M. B. Dudley and New York people. These mines yielded silver ore years ago. They were recently examined by W. W. Widdowson and G. W. Schilling. It is estimated that 22,000 tons of high-grade milling ore is available, plus 8000 tons of milling ore on the dump. The Rural shaft is 200 ft. deep, and from samples taken at the bottom there were high assays returned. The Buckeye has a 700-ft. tunnel, following the vein most of this distance, at least 500 ft. A large tonnage from this has been sent to smelters, and above this level is the milling ore. Tests are to be made on the ore, and a 100-ton mill is contemplated. The properties are favorably situated for power, roads, and rail, the last being only 5 miles away.

M. B. Dudley has just returned from Los Angeles, where he purchased a 50-hp. electric hoist, an 80-kw. motor and a large compressor for the Rural mine, at



SOME OF THE MINING DISTRICTS OF MOHAVE COUNTY, ARIZONA

Mineral Park, which he and New York associates recently purchased. The machinery will be delivered immediately, and power is soon to be connected with the mine. A 100-ton mill is to be erected at once. It is estimated that there is sufficient ore on dumps of the Rural and Buckeye mines and in the stopes to keep a plant of that capacity in operation for the next year without further development. Streaks of rich silver ore have been found throughout the old workings. 6-21-19

Twenty-five men are now being employed at the Rural Mines Co.'s property. A new road is being built, and preparations made to put up a 100-hp. double-drum electric hoist and compressor. A 100-ton mill is to be erected as soon as development opens sufficient ore. 7-12-19

DOING ASSESSMENT WORK  
ON THE RURAL GROUP

M. B. Dudley has sent a force of men to Mineral Park to clean up the annual assessment work on the Rural group of mines. Part of this group is patented, but the old Rural was owned by other interests when the Buckeye and Josephine secured government title and nothing was done with the other properties in the way of patent. These properties ought to be in the producing class, as they have shown potentialities for development of high grade gold-silver ore. The Rural and Buckeye produced some of the richest ore ever shipped from the county.

A crosscut on the 170 level of the Buckeye has cut a shoot of ore from the companion mine, the Rural. On both properties much ore is being developed at several points.

## DEVELOPMENT WORK PROGRESSING AT RURAL

The crosscut from the 170 level of the Buckeye mine that is being driven toward the Rural has been in ore the past several days that would indicate the extension of the big ore shoot from the Rural. Some of the ore is exceptionally high grade and the whole of the 24 inches that now shows in the drift is of milling values. When the vein was entered some time ago the filling was largely of granite, but this is being replaced rapidly with ore, the granite going out as progress is made toward the Rural. The main tunnel on the Buckeye has been driven eastward and is now in full face of good mill ore with indications that the high grade may be encountered at any time. The property is being operated by about 30 men at present, and this force will be added to as progress is made. Everywhere that openings have been made in either new or old ground ore carrying high mill values have been found. So far the tonnage opened up is far in excess of the expectations of the management. With the connection of the drifts with the old Rural workings and the sinking of the main shaft to new levels a mill of large capacity will be needed to handle the big tonnage. Aside from the rich shipping ore this property is sure to develop one of the biggest milling propositions in the country.

been continued into rich ore, every opening showing better and better values as the work progressed. Some of the richest ore ever taken from that property is now being cut into. To the east the main tunnel level is being driven forward in excellent ore, some of which carries values away into the thousands of ounces in silver, with considerable gold. In the drift toward the Rural from the 170 level of the Buckeye the ore is very rich. So far the mine is opening up far and away beyond the expectation of the management. So important have the new strikes in the property become that M. E. Dudley and associates in the undertaking feel that they may now go ahead with the consideration of a large milling plant to handle the large tonnage established in the mine stopes and in the dumps. Shoots have proven to be much longer than those opened by the old operators of the property and the ore bodies are found to be far larger in width and extent, even in what was termed the "open ground."

The crosscut from the 160 level below the Rural tunnel has intersected the vein and drifting east and west is disclosing some nice ore bodies. The old works of the Buckeye will be entered shortly and the drifts will be timbered up and made safe. The lower drifts will be carried into the new ground to the east, where good ore was recently opened on the level above. To the west the drift is being carried into the Rural ground and the old workings in that property will be put in shape to handle the large tonnage of mill ore that is known to be there. The ore that is being drifted on is exceptionally high in grade and could be shipped without assorting, but it is the intention to mill all of the output of the mine.

A big milling plant has been ordered, a flow sheet of the ore showing that it will respond to concentration and flotation. The plant will be on the way from Denver within the next 45 days and the work of installation will not require more than two months. This plant is to be rushed to completion and the mine is to be put in shape to produce the necessary ore.

## DUDLEY INTERESTS PLAN ER- ECTION OF EXPERIMENTAL MILL FOR TEST RUNS.

Development work on the Rural Mines, Inc., is progressing rapidly. The new double compartment working shaft being sunk on the Buckeye claim is nearing a depth of 200 feet. A crosscut is now being run from this shaft to connect with the west drift, which was run from the lowest level of the old Buckeye workings, thus connecting all the old workings of the property with this shaft, through which all hoisting will be done in the future.

As soon as this connection is made the work of clearing out the second and third levels from the old Buckeye shaft will be commenced, and pushed ahead vigorously. All the caves and loose ground caught up and retimbered after which both the ore bodies on these two levels will be developed at the same time.

On the tunnel level of the old Buckeye claim, where the company has been drifting to the east for the past several weeks, the shoot of ore which was first encountered, 155 feet west of the present face, has now widened out. The full width has not yet been determined, but a shot put in on the hanging wall side of this drift, shows all in ore and hanging has not yet been reached. This ore is far above a milling grade as it breaks down, and a streak on the footwall is all shipping ore.

In the west drift from the third level from the old Buckeye shaft, the ore body opened up in December is developing into a large body of ore, which after connection is made with the main working shaft, will be blocked out and the drift continued into the old Rural workings, where an examination made last spring, shows a large body of high grade shipping ore exists. With the connection of the old Rural workings with the main shaft made, the shipping of this ore will commence. In the meantime plans for the new mill will probably be completed.

However no mill will be authorized by the engineers until the primary zone has been reached, ore developed and test runs made, in order to determine the most economical manner to recover the values from the ores of both the oxidized and primary zones. It is understood the Dudley interests are now contemplating the erection of an experimental mill which will be of large enough tonnage to turn tests on a commercial scale. Then ores from the different properties may be run in this mill, and the ores treated to find the best manner of handling, after which, a mill to be erected on a property will be designed to give the best results from a commercial point of view.

This is an excellent idea of this

10

RURAL-BUCKEYE (Kingman) — Old Mineral Park properties taken over by M. B. Dudley and New York associates, who will build 100-ton mill. Large tonnage silver ore already available in stopes and very ore already available in stopes and on dumps. Main owners, with Dudley, are G. C. Buschones, Samuel Weil, S. I. Rabinovich, and Milton Gross. Mines five miles from Chloride railroad and one-half mile from electric power line.

# WATERING RURAL AT MINERAL PARK

B. Dudley reports that the water in the Rural shaft has been raised 40 feet, uncovering the first silver in the property. The Rural is an old time silver property at Mineral Park, which some years ago yielded the richest silver ore ever found, and it is to explore the territory below the old levels that the water is being taken from the property. It is expected that within the month of water and the drifts cleaned and prepared for operation. A new shaft will be sunk and the ore shoots cleaned at that point.

# Much Interest Is Shown in Mineral Park

Much activity is being shown in the Mineral Park district and the taking over of the Rural and Buckeye mines there by M. B. Dudley and his New York associates, promises to prove one of the most important mining events in Mohave County in a number of years.

When Mr. Dudley announced a few months ago his intention of dewatering these old properties, a great deal of interest was shown by the old timers who resided here when the wonderful picture ore was being extracted some twenty five years ago. Much speculation was indulged in as to what would be found at the bottom of the Rural shaft and when the announcement was made that the high grade "still existed there", a number of "I told you, so's" was heard on all sides.

The new company has already started a vigorous campaign of work and arrangements are being made for the immediate installation of a complete electrical equipment. Mr. W. W. Widdowson, upon whose recommendation the properties were purchased, is now on the ground measuring up the old stopes and workings. He announces that enough high grade mill ore is already opened and on the dump to warrant the erection of a hundred ton mill, plans for which will be drawn, and construction started immediately upon the completion of the ore tests.

A new camp is rapidly being constructed and the air of activity in the district reminds one of old times. The new camp was one of the

# RICH STRIKE OF WIRE SILVER ORE IN THE OLD RURAL SHAFT

Rapid Progress Being Made On the Rural-Buckeye Prospects in Mineral Park

Rapid progress is being made with the work at the Rural-Buckeye properties in Mineral Park and the construction of bunk houses and accommodations for forty to fifty men is being rushed to completion. The rebuilding of the old road is also well under way and within a short time it will be possible to run direct to the properties with an auto or truck. From twelve to fifteen men are now employed and it is the intention of the management to augment this force as rapidly as it is possible to obtain men. The new camp is being built at the foot of the Rural hill which affords an ideal site, being close to a fine spring of drinking water. MAY 31 1919

Installation of heavy electrical equipment will commence as soon as the road is in condition and the erection of the hundred ton mill will soon be a fact. Enough high grade mill ore is already broken down in the stopes and on the dump to keep the mill running for at least six months and a vigorous development campaign will be started immediately to open up the ores in the lower levels. This part of the property is practically untouched and an immense amount of virgin ground is ready for stoping.

Considerable excitement was caused last Monday when Mr. Dudley brought in some handsome wire silver specimens that were taken from the bottom of the old Rural shaft. The rock was a mass of wire silver and is identical with that extracted from the property years ago by the leasers. That rich ore still exists there is evidenced by the fact that this specimen rock was taken from a point just above the bottom of the shaft where the leasers last worked. The wire silver was clearly visible to the naked eye and the only reason that can be advanced for this rich rock being left in the mine, by the leasers, is that it was covered with dirt and muck that since has been washed away.

While both the Rural and the Buckeye properties were very heavy producers of high grade silver ore, the extraction in tonnage was relatively small and there is every reason to believe that the new company will open up one of the big steady producers of the state.

# M. B. DUDLEY LEFT FOR KINGMAN NEW YORK LAST NIGHT

M. B. Dudley departed last evening to New York and other eastern cities on important matters connected with his mining operations in this county. Mr. Dudley has been one of the most active mining men who has ever come to this county and in every instance his investments have made good. The first property to be taken over was the Twins, which today is one of the most important mining properties in the Wallapai mining district. The other properties taken over by him are the Buckeye and Rural, in the Mineral Park section. These properties are now being exploited in a big way, it being the intention of this company that is to operate it to develop the mines to a depth of several hundred feet below the present level and then install a large milling plant. Other properties in the Mineral Park section are under consideration and it is expected that these will be taken over soon.

Associated with Mr. Dudley in his mining operations are some of the largest investors of the east.

# NEW YORK MEN VISIT RURAL-BUCKEYE MINE

Last Sunday Samuel Weil, Samuel Rabinovich and Milton Gross, of New York City, arrived in Kingman on a tour of inspection of their interests in the Rural and other mining property at Mineral Park. They have spent the greater part of the week looking over the mines and are thoroughly satisfied with their investment.

The old shaft on the Buckeye has been cleared of water and debris and the work of drifting east and west on the vein is being carried on. This drift is to be carried into Rural ground, where the vein at that depth will be opened and the ore blocked out. The force of miners will be increased thirty or forty men as fast as room can be made for them and the stopes opened throughout the old works, as well as in the newly opened ground. So far more ore has developed and of a better milling grade than was expected. The new shaft is to be continued 250 feet below the present level and the further exploration of the property conducted through that opening.

The Rural and Buckeye, as well as the other holdings of the company are sure to make good with the development mapped out. A mill is to be erected as soon as the ore is well blocked, plans already having been conceived regarding the character of the treatment process to be installed.

(Kingman)—Preparing for installation of 100-ton mill, with electrical equipment. Bunkhouses for 50 men being built. Construction of new road for motor truck transportation. Rich wire silver taken from bottom of shaft. Situated at Mineral Park.

## EQUIP RURAL MINE HEADFRAME-HOIST

The new headframe for the Rural mine has been completed and will be in use as soon as the machinery can be gotten in. Some of the electric machinery has been received at Kingman and the balance will be here Monday. This will be forwarded by train to Keystone siding, thence to the mine by truck. All foundations have been set in and little time will be lost in installing of the plant. As soon as the machinery is in commission sinking will be resumed on the new perpendicular shaft and a depth of 100 feet attained as soon as possible. The work of unwatering the old Buckeye shaft is in progress and the mine is being cleared of debris and caves to allow of the opening up and extraction of mill ores.

The Buckeye is under the management of W. W. Widdowson, consulting engineer, for M. B. Dudley and associates.

**RURAL AND BUCKEYE OPEN**  
The Rural and Buckeye mines recently opened by New York capitalists furnished an opportunity to those who were inclined to doubt the stories of fabulous rich ore taken from the mines. The surprise came when the mines were watered and found to contain bodies of \$40 to \$50 ore still in place, as well as smaller quantities of very rich silver.

## RURAL AND BUCKEYE INSTALL MACHINERY

The Rural and Buckeye mines are now connected up with the big power line from the plant of the Desert Power and Water company at Kingman and as soon as the new machinery has been gotten in place the work of unwatering the Buckeye mine will be under way. An 800-cubic foot compressor, hoist and other machinery has come out to the mine and is being installed. The cement bases have been cast and are in readiness to receive the machinery.

The new shaft, which is to be the main working shaft on both Rural and Buckeye, has reached a depth of 70 feet, this work having been carried on by hand to this point. Beginning next week the new hoist will be in

operation and the work will be carried on with power drills. Within the next four months the shaft should be at the 500 level, the present objective. From that point the territory of the Rural, Buckeye and another property will be thoroughly exploited. The work will be under the immediate supervision of W. W. Widdowson, who is expected from New York early next week.

All the machinery has been installed at the Buckeye-Rural property, at Mineral Park, and the sinking of the new shaft will be under way by Monday of next week. The juice was turned on yesterday and the machinery was tried out today. The new Buckeye shaft will be sunk with three shifts of miners. The old Buckeye will be unwatered, a new Cameron No. 6 pump having been installed to replace the gasoline pump now in use. With the water reduced to the 150 level a drift will be carried into Rural ground and that property exploited. The new pump is expected to drain the mine and allow of sinking the new shaft without water impediment. As soon as the Rural vein is tapped by the deep level the Buckeye tunnel will be driven farther on the vein to ascertain if there are other ore shoots worth while. The Buckeye vein to the east of the main workings shows great width and is fairly well mineralized. The new shaft has reached a depth of nearly 100 feet, this work having been carried on by hand.

## WELL EQUIPPED FOR DEVELOPMENT

One of the finest plants of machinery in the state has been put in commission at the Rural-Buckeye mines, at Mineral Park. The plant consists of an electrically driven hoist, compressor of 800 cubic feet capacity, Cameron pump, automatic drill sharpener and everything needed in and about a well regulated mining property. The shaft is equipped with a big gallows frame and all possible safeguards. This shaft is now down close to 100 feet and is timbered up double-compartment with heavy timbers.

The camp buildings are comfortable and commodious, there being separate sleeping quarters for the men and a general assembly or reading room. An excellent boarding house, office and other buildings make up the camp. The best water in the Mineral Park basin has been developed on the property and will be conveyed to a large tank on the sidehill above the camp, where pressure for fire or other purposes may be obtained. The camp is one of the best situated and ideal places in the county, lying picturesquely below the towering Sherum's Peak.

This property was operated many years ago and thousands of tons of rich silver ore was taken out and shipped to the smelters. So rich was some of the ore that thousands of dollars in specimens were taken from the property by people having mineral cabinets. These specimens adorn practically every cabinet in the world, no collection of minerals being complete without a silver specimen from these mines. With greater depth it is expected that another big shoot of the same character of ore will be opened, and the thousands of tons of mill ore will become available. It is one of the properties taken over some time ago by M. B. Dudley and associates, W. W. Widdowson being the consulting engineer and under whose directions the equipment and development of the property is being carried on. Within a few weeks the same company expect to have equipment on other properties of the big group and will have sinking under way to greater depth under the old ore bodies.

## RURAL-BUCKEYE MINE DEVELOPMENT WORK

The main working shaft on the Buckeye mine is being pushed rapidly downward and within the next thirty days it is expected that it will be deep enough to begin the crosscut to the Rural mine, and unwatering that property so that exploration may be carried on there. The old Buckeye shaft and the old works are almost clear of water. As soon as the mine has been drained men will be put to work clearing it of debris and catching up the bad places. Two crosscuts are under way from main tunnel level on the Buckeye to intersect other claims paralleling the property. The drift is being driven ahead and the face is now in a new shoot of high grade ore. This ore will be driven on and all the ground east will be opened at this depth. The property is looking better than at any time since the old work was discontinued some years ago.

completely unwatered shaft which was sunk to a depth of 170 feet below the old tunnel level, was found to be small and in such poor condition that it was thought inadvisable to use it. A new vertical two-compartment shaft is now being sunk in the footwall and to date has reached a depth of 130 feet. When this shaft has reached the depth of the old workings a crosscut will be run to the ledge and connection made with the old workings after which the sinking of the shaft will be continued to 500 feet or more.

In the old workings which have been unwatered there are three levels at approximate depths of 70, 125 and 170 feet. These levels have been opened up to the east to a considerable distance, just how far has not yet been ascertained, as in places there is much caving. Considerable stoping has been done, especially from the 125 ft. level, which appears to have been stoped right up to the tunnel level. These stopes have been filled with ore that at the present price of silver is greatly above what is considered good milling ore. From samples taken it is estimated that this stope filling will average 40 ozs. silver and with good gold values.

The ledge on this level, so far examined, averaged from 4 to 6 feet. On the lowest level there are several small stopes in which the fill it is estimated will average about the same as in the large stope above. To the west of the shaft but little work appears to have been done and no stoping. The ledge here is of an approximate width of 6 feet and well mineralized, ruby silver predominating.

After connecting the old workings with the new shaft a development program will be undertaken. The lowest level will be drifted west on the ledge to connect with the old Rural shaft, where a recent examination shows there is a six foot ledge of very rich ore which assays well into the hundreds. During the examination much specimen rock was encountered, a sample of which assayed over 5100 ozs. silver and 3 ozs. gold. It is for the purpose of opening up this high grade ore body in the old workings that development work to the west is being vigorously prosecuted.

CERTIFICATE OF INCORPORATION  
RURAL MINES INC.

THE name of this corporation is RURAL MINES INC.  
The principal office of the corporation in the State of Delaware, shall be located in the City of Dover, County of Kent and the name and address of its resident agent is UNITED STATES CORPORATION COMPANY, No. 311 South State Street, in the City of Dover, State of Delaware.

THIRD: The nature of the business, or objects or purposes proposed to be transacted, promoted or carried on, are:  
To purchase, take, on lease, or otherwise acquire, any mines, mining rights, and metalliferous land, and any interest therein, and to explore, work, exercise, develop, and turn to account the same.

To crush, win, get, quarry, smelt, calcine, refine, dress, amalgamate, manipulate, and prepare for market, ore, metal, and mineral substances of all kinds, and to carry on any other metalliferous operations which may seem conducive to any of the company's objects.  
To buy, sell, manufacture, and deal in minerals, plant, machinery, implements, conveniences, provisions, and things capable of being used in connection with metallurgical operations, or required by workmen and others employed by the company.

To construct, carry out, maintain, improve, manage, work, control, and superintend any roads, ways, tramways, rail-ways, bridges, reservoirs, watercourses, aqueducts, wharves, furnaces, sawmills, crushing works, hydraulic works, electrical works, factories, warehouses, ships, and other works and conveniences which may be necessary, directly or indirectly, in connection with any of the objects of the company, and to contribute to, subsidize, or otherwise aid or take part in any such operations.

To manufacture, purchase or otherwise acquire, own, mortgage, pledge, sell, assign and transfer, or otherwise dispose of, to invest, trade, deal in and deal with, goods, wares and merchandise and real and personal property of every class and description.

To acquire, and pay for in cash, stock or bonds of this corporation or otherwise, the good will, rights, assets and property, and to undertake or assume the whole or any part of the obligations or liabilities of any person, firm, association or corporation.

To acquire, hold, use, sell, assign, lease, grant licenses in respect of, mortgage, or otherwise dispose of letters patent of the United States or any foreign country, patent rights, licenses and privileges, inventions, improvements and processes, copyrights, trademarks, and trade names, relating to or useful in connection with any business of this corporation.

To guarantee, purchase, hold, sell, assign, transfer, mortgage, pledge or otherwise dispose of any of the capital stock of, or any bonds, securities or evidence of indebtedness created by any other corporation or corporations organized under the laws of this state or any other state, county, nation or government, and while the owner thereof to exercise all the rights, powers and privileges of ownership.

To issue bonds, debentures or obligations of this corporation from time to time, for any of the objects or purposes of the corporation, and to secure the same by mortgage, pledge, deed of trust, or otherwise.

To purchase, hold, sell and transfer the shares of its own capital stock; provided it shall not use its funds or property for the purchase of its own shares of capital stock with such would cause any impairment of its capital; and provided further that shares of its own capital stock belonging to it shall not be voted upon directly or indirectly.

To have one or more offices, to carry on all or any of its operations and business and without restriction or limit as to amount to purchase or otherwise acquire, hold, own, mortgage, sell, convey, or otherwise dispose of real and personal property of every class and description in any of the States, Districts, Territories or Colonies of the United States, and in any and all foreign countries, subject to the laws of such State, District, Territory, Colony or Country.

In general, to carry on any other business in connection with the foregoing whether manufacturing or otherwise, and to have and exercise all the powers conferred by the laws of Delaware upon corporations formed under the act hereinafter referred to, and to do any or all of the things hereinbefore set forth to the same extent as natural persons might or could do.

The foregoing clauses shall be construed both as objects and powers; and it is hereby expressly provided that the foregoing enumeration of specific powers shall not be held to limit or restrict in any manner the powers of this corporation.

FOURTH: The total authorized capital stock of the corporation is One Million Dollars, divided into one hundred (1,000,000) shares of the par value of One (\$1.00) Dollar each.

FIFTH: The amount of capital stock with which this corporation shall commence business is One Thousand Dollars.

SIXTH: The names and places of residence of the original subscribers to the capital stock and the number of shares subscribed for by each, are as follows:

Name	Residence	No. of Shares
Edwin F. Wood	Dover, Delaware	100
James M. Satterfield	Dover, Delaware	100
L. B. Phillips	Dover, Delaware	100
M. Jacobs	Dover, Delaware	100

Dover, Delaware 350  
NINTH: This corporation is to be perpetual.

TENTH: The property of the stockholders shall not be subject to the payment of corporate debts to any extent whatever.

ELEVENTH: In furtherance and not in limitation of the powers conferred by statute, the board of directors is expressly authorized:  
To make and alter the by-laws of this corporation, to fix the amount to be reserved as working capital over and above its capital stock paid in, to authorize and cause to be executed mortgages and liens upon the real and personal property of this corporation.

From time to time to determine whether and to what extent, and at what times and places, and under what conditions and regulations, the accounts and books of this corporation (other than the stock ledger), or any of them, shall be open to inspection of stockholders; and no stockholder shall have any right of inspecting any account, book or document of this corporation except as conferred by statute or unless authorized by a resolution of the stockholders or directors.

If the by-laws so provide, to designate two or more of its number to constitute an executive committee, which committee shall for the time being, as provided in said resolution or in the by-laws of this corporation, have and exercise any or all of the powers of the board of directors in the management of the business and affairs of this corporation, and have power to authorize the seal of this corporation to be affixed to all papers which may require it.

Pursuant to the affirmative vote of the holders of at least a majority of the stock issued and outstanding and having voting power, given at a stockholders' meeting duly called for that purpose, or when authorized by the written consent of at least a majority of the holders of the voting stock issued and outstanding, the board of directors shall have power and authority at any meeting to sell, lease, or exchange all of the property and assets of this corporation, including its good will and its corporate franchises, upon such terms and conditions as its board of directors deem expedient and for the best interests of the corporation.

This corporation may in its by-laws confer powers upon its directors in addition to the foregoing, and in addition to the powers and authorities expressly conferred upon them by the statute.

Both stockholders and directors shall have power, if the by-laws so provide, to hold their meetings, and to have one or more offices within or without the State of Delaware, and to keep the books of this corporation (subject to the provisions of the statutes), outside of the State of Delaware at such places as may be from time to time designated by the board of directors.

TENTH: This corporation reserves the right to amend, alter, change or repeal any provision contained in this certificate of incorporation, in the manner now or hereafter prescribed by statute, and all rights conferred upon stockholders herein are granted subject to this reservation.

WE, THE UNDERSIGNED, being each of the original subscribers to the capital stock hereinbefore named for the purpose of forming a corporation to do business both within and without the State of Delaware, and in pursuance of the General Corporation Law of the State of Delaware, being Chapter 95 of the Revised Code of Delaware, and the acts amendatory thereof and supplemental thereto, do make and file this certificate, hereby declaring and certifying that the facts herein stated are true, and do respectively agree to take the number of shares of stock hereinbefore set forth, and accordingly have hereunto set our hands and seals this 4th day of June, A. D. 1919.

In presence of  
Edwin F. Wood (as to all)  
JAMES M. SATTERFIELD (Seal)  
L. B. PHILLIPS (Seal)  
M. JACOBS (Seal)

STATE OF DELAWARE,  
County of Kent—ss.

BE IT REMEMBERED that on this 4th day of June, A. D. 1919, personally came before me Edwin F. Wood, a Notary Public for the State of Delaware, James M. Satterfield, L. B. Phillips and M. Jacobs, parties to the foregoing certificate of incorporation, known to me personally to be such, and severally acknowledged the said certificate to be the act and deed of the signers respectively and that the facts therein stated are truly set forth.

GIVEN under my hand and seal of office the day and year aforesaid.  
EDWIN F. WOOD,  
Notary Public.

STATE OF DELAWARE  
Office of Secretary of State

I, EVERETT C. JOHNSON, Secretary of State of the State of Delaware, hereby certify that the above and foregoing is a true and correct copy of Certificate of Incorporation of the RURAL MINES INC. as received and filed in this office the fourth day of June, A. D. 1919, at 2 o'clock A. M. in the presence of W. H. WICKCOFF, I have compared the original and aforesaid copy, and find the same to be a true and correct copy of the original and aforesaid copy.  
(Seal) EVERETT C. JOHNSON,  
Secretary of State.

The maximum setting for Dark was used

Reports from the Rural Buckeye Mine indicate that the property is opening up better than the expectations of its owners, M. H. Doolley and associates, and a large milling plant is now under consideration. The office of the company is at Kingman.

# KEYE RURAL IS RICH ORE OF EARLY DAY FAME

Drifts from the 100 level of the Rural mine and close to the lines of the properties, has a wonderful showing of ore. Taken from the opening show a grade of ore that was found in the early days and the impression is that this shoot will be on the surface, that section of the mine being virgin ground. The ore being carried from the Buckeye into the Rural, where it is expected to get below the old workings and open up the ore bodies. Considerable ore has been found where the drifts have been run and breaks are found to be developments of importance. The new shoot contains masses of native and silver ores, as well as big values in Rural and Buckeye were only known to superficial depth by the miners, but there was taken a large quantity of wonderfully rich silver ore in various parts of the mines. The ore has created sensations even among the men who were used to seeing rich ores. For beauty and value specimens taken from these mines have never been duplicated, and we are not surprised to see the management bringing in duplicate lots of this old time ore. The ore is found to be large and there is a large tonnage of mill ore now being taken. Every day brings to light more and when the property is opened up at the 500 level we may expect to find things from it.

M. H. Doolley and his associates are pleased with the new ore bodies and are working to get them brought to light and are having the property developed with all possible dispatch to the productive development to the productive.

From the new ore body shipments are now being sacked and shipped and will probably soon be made to the mill.

Rural-Buckeye Mine, Kingman, Ariz. Built headframe, mill house for 50 men, and new motor truck road from Mineral Park, and installed electrically driven hoist, compressor, and mill machinery.

## CONTINUES GOING

The ore body opened recently on the 100 level is showing better values with the additional work. Stopes have been opened and within the next week shipments will go out to the smelter. The ore in the stopes show heavily in native silver, while the main body gives high values in silver and gold. The opening of this body of ore is of importance, showing as it does, that the ore bodies are almost continuous throughout the Rural and Buckeye ground, where heretofore the shoots in the old works were short, especially the rich ore bodies. The tunnel to the east on the Buckeye shows ore of high milling value in virgin ground, and with the connection to the west with the Rural the ore shoot is maintained for many hundred feet.

## RICH SHOOT OF ORE RURAL 50 FT. LEVEL

The drift from the 50 foot level from the Buckeye shaft, toward the Rural mine, at Mineral Park, is being driven in the richest ore thus far encountered in that property. The streak is widening as progress is made on the drift and the expectation is for the opening of as large a vein as that shown at the lower level. From the 100 level a stope has been opened and wonderfully rich ore is being extracted. From four places in the property ore is now being taken and sacked for shipment. The first shipment is expected to bring big returns, the ore showing heavily in native and ruby silver.

With exploration on the lower level indications point to the development of one of the richest silver properties in the county. While the vein is not as large as some of the other properties the values are exceptionally high.

## FAMOUS LODI MINE TAKEN OVER BY RURAL

Gas Deuchars departed overland last Wednesday morning to Luning, Nevada, where the Rural Mines company has taken over the Lodi mines, and where he is to assume charge.

The Lodi mine is an old property, the shaft having been carried down 1000 feet into the ore body and 2000 feet of drifts, raises and crosscuts have been run, opening up an estimated tonnage of 40,000 tons. This ore contains values of about \$30 in gold, silver and lead, the silver values predominating. Three of the veins in a group of 18 claims, carry mill values. The mill has a capacity of 50 tons and may be increased materially. Tests made on the ore show recovery of 85%. Water is supplied to the camp through a 2-inch pipe line, a distance of 18 miles.

The mine is equipped with a big hoist, compressor, machines and all necessary tools. It is situated about 74 miles from railroad, but is connected by an excellent highway. It is only about nine miles from Broken Hills, the new camp that is causing excitement in the Silver State.

The mill is to be started up at once on the dump ore, estimated at 20,000 tons and good results are expected. The company is well financed and we feel sure that it has picked a winner.

Reports from the Rural Buckeye Mine indicate that the property is opening up better than the expectations of its owners, M. H. Dudley and associates, and a large milling plant is now under consideration. The office of the company is at Kingman.

# KEYE RURAL IS RICH ORE OF EARLY DAY FAME

Drift from the 100 level of the Rural drift and close to lines of the properties, has a wonderful showing of ore. Taken from the opening show a grade of ore that was found in property in the early days and the impression is that this shoot will be carried from the surface, that section of the mine being virgin ground. The workings into the Rural, where it is intended to get below the old workings and open up the ore bodies. Considerable ore has been found where the drifts have been run and breaks are found to be development of importance. The new shoot consists of native and silver ores, as well as big values in Rural and Buckeye were only taken to superficial depth by the miners, but there was taken a large amount of wonderfully rich silver ore in various parts of the mines. Wonderful sensations even among men who were used to seeing the best ore. For beauty and value specimens taken from these mines have never been duplicated, and we are not surprised to see the development bringing in duplicate ore of this old time ore. The ore is found to be large and there is a large tonnage of mill ore now being taken. Every day brings to light ore and when the property is opened at the 500 level we may expect wonderful things from it.

M. H. Dudley and his associates are pleased with the new ore bodies brought to light and are having them shipped with all possible dispatch to development to the productive mill. From the new ore body shipment is now being sacked and shipment will probably soon be made to the mill.

Rural-Buckeye Mine, Kingman, Ariz. Built headframe, mill house for 50 men, and new motor truck road from Mineral Park, and installed electrically driven hoist, compressor, and mill machinery.

## CONTINUES GOOD

The ore body opened recently on the 100 level is showing better values with the additional work. Slopes have been opened and within the next week shipments will go out to the smelter. The ore in the slopes show heavily in native silver, while the main body gives high values in silver and gold. The opening of this body of ore is of importance, showing as it does, that the ore bodies are almost continuous throughout the Rural and Buckeye ground, where heretofore the shoots in the old works were short, especially the rich ore bodies. The tunnel to the east on the Buckeye shows ore of high milling value in virgin ground, and with the connection to the west with the Rural the ore shoot is maintained for many hundred feet.

## RICH SHOOT OF ORE RURAL 50 FT. LEVEL

The drift from the 50 foot level from the Buckeye shaft, toward the Rural mine, at Mineral Park, is being driven in the richest ore thus far encountered in that property. The streak is widening as progress is made on the drift and the expectation is for the opening of as large a vein as that shown at the lower level. From the 100 level a stone has been opened and wonderfully rich ore is being extracted. From four places in the property ore is now being taken and sacked for shipment. The first shipment is expected to bring big returns, the ore showing heavily in native and ruby silver.

With exploration on the lower level indications point to the development of one of the richest silver properties in the county. While the vein is not as large as some of the other properties the values are exceptionally high.

## FAMOUS LODI MINE TAKEN OVER BY RURAL

Gus Deuchmes departed overland last Wednesday morning to Luning, Nevada, where the Rural Mines company has taken over the Lodi mines, and where he is to assume charge.

The Lodi mine is an old property, the shaft having been carried down 1000 feet into the ore body and 5000 feet of drifts, raises and crosscuts have been run, opening up an estimated tonnage of 30,000 tons. This ore contains values of about \$30 in gold, silver and lead, the silver values predominating. Three of the veins in a group of 18 claims, carry mill values. The mill has a capacity of 50 tons and may be increased materially. Tests made on the ore show recovery of 85%. Water is supplied to the camp through a 3-inch pipe line, a distance of 18 miles.

The mine is equipped with a big hoist, compressor, machines and all necessary tools. It is situated about 74 miles from railroad, but is connected by an excellent highway. It is only about nine miles from Broken Hills, the new camp that is causing excitement in the Silver State.

The mill is to be started up at once on the dump ores, estimated at 20,000 tons and good results are expected. The company is well financed and we feel sure that it has picked winner.

**CERTIFICATE OF INCORPORATION**  
**RURAL MINES INC.**

FIRST: The name of this corporation is **RURAL MINES INC.**

SECOND: The principal office of the corporation in the State of Delaware, shall be located in the City of Dover, County of Kent. The name and address of its resident agent is **UNITED STATES CORPORATION COMPANY, No. 311 South State Street, in the City of Dover, State of Delaware.**

THIRD: The nature of the business, or objects or purposes proposed to be transacted, promoted or carried on, are: To purchase, take, on lease, or otherwise acquire, any mines, mining rights, and metalliferous land, and any interest therein, and to explore, work, exercise, develop, and turn to account the same.

To crush, win, get, quarry, smelt, calcine, refine, dress, amalgamate, manipulate, and prepare for market, ore, metal, and mineral substances of all kinds, and to carry on any other metalliferous operations which may seem conducive to any of the company's objects.

To buy, sell, manufacture, and deal in minerals, plant, machinery, implements, conveniences, provisions, and things capable of being used in connection with metallurgical operations, or required by workmen and others employed by the company.

To construct, carry out, maintain, improve, manage, work, control, and superintend any roads, ways, tramways, railways, bridges, reservoirs, watercourses, aqueducts, wharves, furnaces, sawmills, crushing works, hydraulic works, electrical works, factories, warehouses, ships, and other works and conveniences which may be necessary, directly or indirectly, in connection with any of the objects of the company, and to contribute to, subsidize, or otherwise aid or take part in any such operations.

To manufacture, purchase or otherwise acquire, own, mortgage, pledge, sell, assign and transfer, or otherwise dispose of, to invest, trade, deal in and deal with, goods, wares and merchandise and real and personal property of every class and description.

To acquire, and pay for in cash, stock or bonds of this corporation or otherwise, the good will, rights, assets and property, and to undertake or assume the whole or any part of the obligations or liabilities of any person, firm, association or corporation.

To acquire, hold, use, sell, assign, lease, grant licenses in respect of, mortgage, or otherwise dispose of letters patent of the United States or any foreign country, patent rights, licenses and privileges, inventions, improvements and processes, copyrights, trademarks and trade names, relating to or useful in connection with any business of this corporation.

To guarantee, purchase, hold, sell, assign, transfer, mortgage, pledge or otherwise dispose of shares of the capital stock of, or any bonds, securities or evidence of indebtedness created by any other corporation or corporations organized under the laws of this state or any other state, county, nation or government, and while the owner thereof to exercise all the rights, powers and privileges of ownership.

To issue bonds, debentures or obligations of this corporation from time to time, for any of the objects or purposes of the corporation, and to secure the same by mortgage, pledge, deed of trust, or otherwise.

To purchase, hold, sell and transfer the shares of its own capital stock; provided it shall not use its funds or property for the purchase of its own shares of capital stock when such would cause any impairment of its capital; and provided further that shares of its own capital stock belonging to it shall not be voted upon directly or indirectly.

To have one or more offices, to carry on all or any of its operations and business and without restriction or limit as to amount to purchase or otherwise acquire, hold, own, mortgage, sell, convey, or otherwise dispose of real and personal property of every class and description in any of the States, Districts, Territories or Colonies of the United States, and in any and all foreign countries, subject to the laws of such State, District, Territory, Colony or Country.

In general, to carry on any other business in connection with the foregoing whether manufacturing or otherwise, and to have and exercise all the powers conferred by the laws of Delaware upon corporations formed under the act hereinafter referred to, and to do any or all of the things hereinbefore set forth to the same extent as natural persons might or could do.

The foregoing clauses shall be construed both as objects and powers; and it is hereby expressly provided that the foregoing enumeration of specific powers shall not be held to limit or restrict in any manner the powers of this corporation.

FOURTH: The total authorized capital stock of the corporation is One Million (\$1,000,000) Dollars divided into one million (1,000,000) shares of the par value of One (\$1.00) Dollar each.

FIFTH: The amount of capital stock with which this corporation shall commence business is One Thousand (\$1,000) Dollars.

SIXTH: The names and places of residence of the original subscribers to the capital stock and the number of shares subscribed for by each, are as follows:

Name	Residence	No. of Shares
James M. Satterfield	Dover, Delaware	100
L. B. Phillips	Dover, Delaware	100

JACOBS, Dover, Delaware 350  
EIGHTH: This corporation is to perpetual existence.

NINTH: The private property of the stockholders shall not be subject to the payment of corporate debts to any extent whatever.

TENTH: In furtherance, and not in limitation of the powers conferred by statute, the board of directors is expressly authorized:

To make and alter the by-laws of this corporation, to fix the amount to be reserved as working capital over and above its capital stock paid in, to authorize and cause to be executed mortgages and liens upon the real and personal property of this corporation:

From time to time to determine whether and to what extent, and at what times and places, and under what conditions and regulations, the accounts and books of this corporation, (other than the stock ledger), or any of them, shall be open to inspection of stockholders; and no stockholder shall have any right of inspecting any account, book or document of this corporation except as conferred by statute, unless authorized by a resolution of the stockholders or directors:

If the by-laws so provide, to designate two or more of its number to constitute an executive committee, which committee shall for the time being, as provided in said resolution or in the by-laws of this corporation, have and exercise any or all of the powers of the board of directors in the management of the business and affairs of this corporation, and have power to authorize the seal of this corporation to be affixed to all papers which may require it.

Pursuant to the affirmative vote of the holders of at least a majority of the stock issued and outstanding, having voting power, given at a stockholders' meeting, duly called for that purpose, or when authorized by the written consent of at least a majority of the holders of the voting stock issued and outstanding, the board of directors shall have power and authority at any meeting to sell, lease or exchange all of the property and assets of this corporation, including its good will and its corporate franchises, upon such terms and conditions as its board of directors deem expedient and for the best interests of the corporation.

This corporation may in its by-laws confer powers upon its directors in addition to the foregoing, and in addition to the powers and authorities expressly conferred upon them by the statute.

Both stockholders and directors shall have power, if the by-laws so provide, to hold their meetings, and to have one or more offices within or without the State of Delaware, and to keep the books of this corporation (subject to the provisions of the statutes), outside of the State of Delaware at such places as may be from time to time designated by the board of directors.

TENTH: This corporation reserves the right to amend, alter, change or repeal any provision contained in this certificate of incorporation, in the manner now or hereafter prescribed by statute, and all rights conferred upon stockholders herein are granted subject to this reservation.

WE, THE UNDERSIGNED, being each of the original subscribers to the capital stock hereinbefore named for the purpose of forming a corporation to do business both within and without the State of Delaware, and in pursuance of the General Corporation Law of the State of Delaware, being Chapter 53 of the Revised Code of Delaware, and the acts amendatory thereof and supplemental thereto, do make and file this certificate, hereby declaring and certifying that the facts herein stated are true, and do respectively agree to take the number of shares of stock hereinbefore set forth, and accordingly have hereunto set our hands and seals this 4th day of June, A. D. 1919.

In presence of  
Edwin F. Wood as to all  
JAMES M. SATTERFIELD (Seal)  
L. B. PHILLIPS (Seal)  
M. JACOBS (Seal)

STATE OF DELAWARE,  
County of Kent—ss.

BE IT REMEMBERED that on this 4th day of June, A. D. 1919, personally came before me Edwin F. Wood, a Notary Public for the State of Delaware, James M. Satterfield, L. B. Phillips and M. Jacobs, parties to the foregoing certificate of incorporation, known to me personally to be such, and severally acknowledged the said certificate to be the act and deed of the signers respectively and that the facts therein stated are truly set forth.

GIVEN under my hand and seal of office the day and year aforesaid.  
EDWIN F. WOOD,  
Notary Public.

STATE OF DELAWARE  
Office of Secretary of State

I, EVERETT C. JOHNSON, Secretary of State of the State of Delaware, do hereby certify that the above and foregoing is a true and correct copy of Certificate of Incorporation of the "RURAL MINES INC." as received and filed in this office the fourth day of June, A. D. 1919, at 2 o'clock A. M.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal, at Dover, this 4th day of June, in the year of our Lord one thousand nine hundred and nineteen.

(Seal) EVERETT C. JOHNSON,  
Secretary of State.  
Last inserted 4 of 1919.

Kingman)—preparing for installation of 100-ton mill, with electrical equipment. Bunkhouses for 50 men being built. Constructing new road for motor truck transportation. Rich wire silver taken from bottom of shaft. Situated at Mineral Park.

## EQUIP RURAL MINE HEADFRAME-HOIST

The new headframe for the Rural mine has been completed and will be in use as soon as the machinery can be gotten in. Some of the electric machinery has been received at Kingman and the balance will be here Monday. This will be forwarded by train to Keystone siding, thence to the mine by truck. All foundations have been put in and little time will be lost in the installing of the plant. As soon as the machinery is in commission sinking will be resumed on the new perpendicular shaft and a depth of 500 feet attained as soon as possible. The work of unwatering the old Buckeye shaft is in progress and the mine is being cleared of debris and caves to allow of the opening up and extraction of mill ores.

The Buckeye is under the management of W. W. Widdowson, consulting engineer for M. B. Dudley and associates.

### RURAL AND BUCKEYE OPEN

The Rural and Buckeye mines recently reopened by New-York capitalists furnished an agreeable surprise to those who were inclined to doubt the stories of fabulously rich ore taken from the mines. The surprise came when the mines were unwatered and found to contain bodies of \$40 to \$50 ore still in place, as well as smaller quantities of very rich silver.

## RURAL AND BUCKEYE INSTALL MACHINERY

The Rural and Buckeye mines are now connected up with the big power line from the plant of the Desert Power and Water company at Kingman and as soon as the new machinery has been gotten in place the work of unwatering the Buckeye mine will be under way. An 800-cubic foot compressor, hoist and other machinery has gone out to the mine and is being installed. The cement bases have been cast and are in readiness to receive the machinery.

The new shaft, which is to be the main working shaft on both Rural and Buckeye, has reached a depth of 70 feet, this work having been carried on by hand to this point. Beginning next week the new hoist will be in

commission and the work will be carried on with power drills. Within the next four months the shaft should be at the 500 level, the present objective. From that point the territory of the Rural, Buckeye and another property will be thoroughly exploited. The work will be under the immediate supervision of W. W. Widdowson, who is expected from New York early next week.

All the machinery has been installed at the Buckeye-Rural property, at Mineral Park, and the sinking of the new shaft will be under way by Monday of next week. The juice was turned on yesterday and the machinery was tried out today. The new Buckeye shaft will be sunk with three shifts of miners. The old Buckeye will be unwatered, a new Cameron No. 6 pump having been installed to replace the gasoline pump now in use. With the water reduced to the 150 level a drift will be carried into Rural ground and that property exploited. The new pump is expected to drain the mine and allow of sinking the new shaft without water impediment. As soon as the Rural vein is tapped by the deep level the Buckeye tunnel will be driven farther on the vein to ascertain if there are other ore shoots worth while. The Buckeye vein to the east of the main workings shows great width and is fairly well mineralized. The new shaft has reached a depth of nearly 100 feet, this work having been carried on by hand.

## WELL EQUIPPED FOR DEVELOPMENT

One of the finest plants of machinery in the state has been put in commission at the Rural-Buckeye mines, at Mineral Park. The plant consists of an electrically driven hoist, compressor of 800 cubic feet capacity, Cameron pump, automatic drill sharpener and everything needed in and about a well regulated mining property. The shaft is equipped with a big gallows frame and all possible safeguards. This shaft is now down close to 100 feet and is timbered up double-compartment with heavy timbers.

The camp buildings are comfortable and commodious, there being separate sleeping quarters for the men and a general assembly or reading room. An excellent boarding house, office and other buildings make up the camp. The best water in the Mineral Park basin has been developed on the property and will be conveyed to a large tank on the sidehill above the camp, where pressure for fire or other purposes may be obtained. The camp is one of the best situated and ideal places in the county, lying picturesquely below the towering Sherum's Peak.

This property was operated many years ago and thousands of tons of rich silver ore was taken out and shipped to the smelters. So rich was some of the ore that thousands of dollars in specimens were taken from the property by people having mineral cabinets. These specimens adorn practically every cabinet in the world, no collection of minerals being complete without a silver specimen from these mines. With greater depth it is expected that another big shoot of the same character of ore will be opened, and the thousands of tons of mill ore will become available. It is one of the properties taken over some time ago by M. B. Dudley and associates, W. W. Widdowson being the consulting engineer and under whose directions the equipment and development of the property is being carried on. Within a few weeks the same company expect to have equipment on other properties of the big group and will have sinking under way to greater depth under the old ore bodies.

## RURAL-BUCKEYE MINE DEVELOPMENT WORK

The main working shaft on the Buckeye mine is being pushed rapidly downward and within the next thirty days it is expected that it will be deep enough to begin the crosscut to the Rural mine, and unwatering that property so that exploration may be carried on there. The old Buckeye shaft and the old works are almost clear of water. As soon as the mine has been drained men will be put to work clearing it of debris and catching up the bad places. Two crosscuts are under way from main tunnel level on the Buckeye to intersect other claims paralleling the property. The drift is being driven ahead and the face is now in a new shoot of high grade ore. This ore will be driven on and all the ground east will be opened at this depth. The property is looking better than at any time since the old work was discontinued some years ago.

completely unwatered. The shaft which was sunk to a depth of 170 feet below the old tunnel level, was found to be small and in such poor condition that it was thought inadvisable to use it. A new vertical two compartment shaft is now being sunk in the footwall and to date has reached a depth of 130 feet. When this shaft has reached the depth of the old workings a crosscut will be run to the ledge and connection made with the old workings after which the sinking of the shaft will be continued to 500 feet or more.

In the old workings which have been unwatered there are three levels at approximate depths of 70, 123 and 170 feet. These levels have been opened up to the east to a considerable distance, just how far has not yet been ascertained, as in places there is much caving. Considerable stoping has been done, especially from the 125 ft. level, which appears to have been stoped right up to the tunnel level. These stopes have been filled with ore that at the present price of silver is greatly above what is considered good milling ore. From samples taken it is estimated that this stope filling will average 40 ozs. silver and with good gold values.

The ledge on this level, so far examined, averaged from 4 to 6 feet.

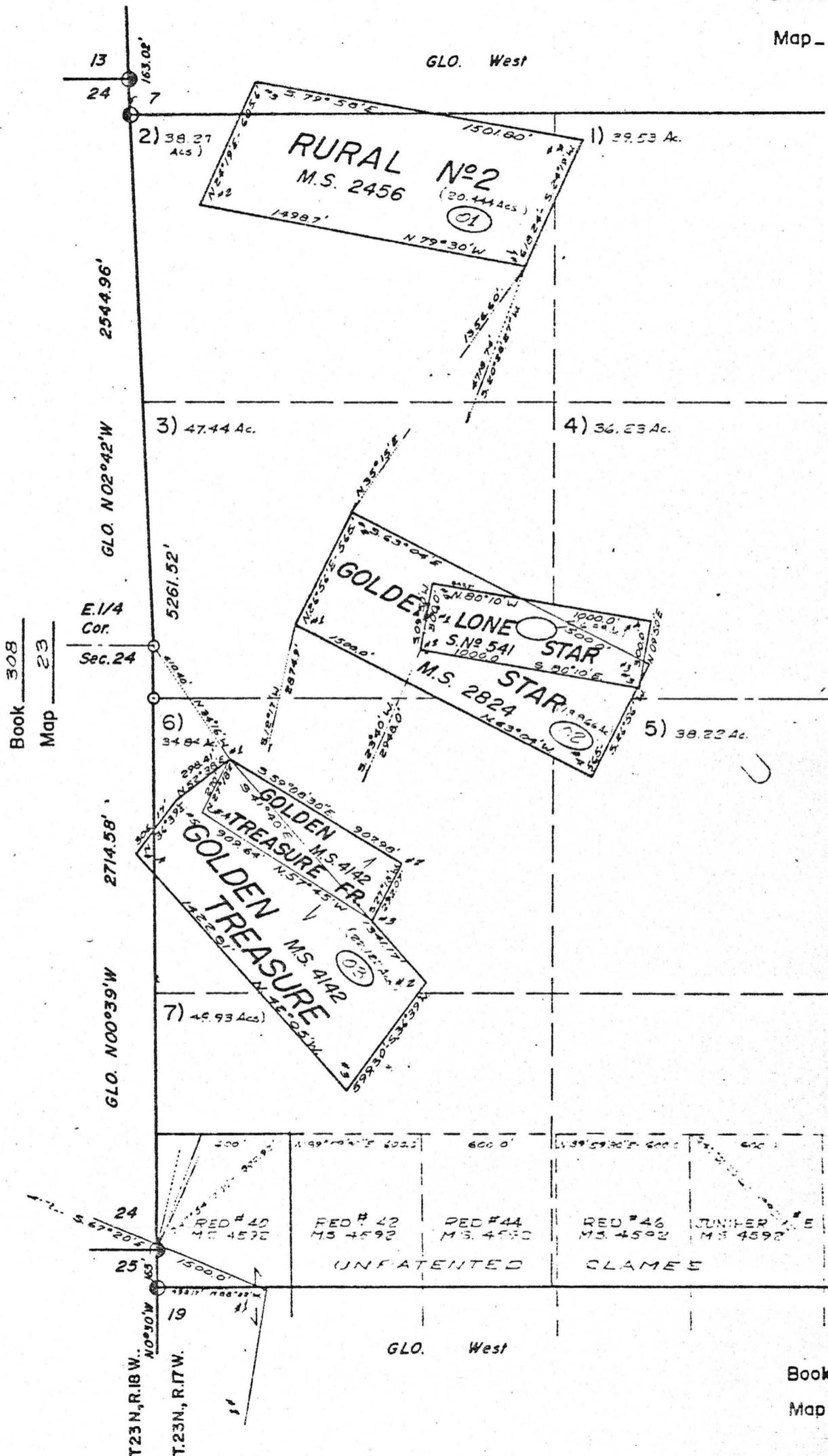
On the lowest level there are several small stopes in which the fill it is estimated will average about the same as in the large stope above.

To the west of the shaft but little work appears to have been done and no stoping. The ledge here is of an approximate width of 6 feet and well mineralized, ruby silver predominating.

After connecting the old workings with the new shaft a development program will be undertaken. The lowest level will be drifted west on the ledge to connect with the old Rural shaft, where a recent examination shows there is a six foot ledge of very rich ore which assays well into the hundreds. During the examination much specimen rock was encountered, a sample of which assayed over 5100 ozs. silver and 3 ozs. gold. It is for the purpose of opening up this high grade ore body in the old workings that development work to the west is being vigorously prosecuted.

Book

Map



23N., 17W.. 18

Date \_\_\_\_\_

RURAL MINE

MOHAVE

John Rothermal reported he is progressing with a sampling program on his Rural mine in the Mineral Park district. KAP WR 4/8/76

---

I drove to the Rural mine north of Mineral Park about one mile to see the Rothermal brothers who were not there. The Rothermals have leased the mine to Texas Mining & Development Co., 2118 Maxmillan, Houston, Texas, 77039, effective April 4, 1976. Sydney Gangel is listed as officer of the Texas company on a non-liability notice posted on the property. VBD WR 6/19/76

---

RH  
15

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Rural Date April 8, 1976  
District Mineral Park, Mohave County Engineer Ken A. Phillips  
Subject: Present status

Owner: John Rothermel, 3016 W. Mercer Lane, Phoenix, 942-4470.

Claims: Rural (patented), Rural Anex, Rural Anex #1, Rural Extension (3 unpatented)

Location: One and one-half miles northeast of Mineral Park near the south base of Cherum Peak (Schrader, 1909, p. 83) NE $\frac{1}{4}$ NW $\frac{1}{4}$  S. 18 T23N R17W (USGS Chloride Quad)

Commodity: Silver (gold, copper, zinc and lead)

Minerals: Dominant vein minerals; pyrite, arsenopyrite and quartz with subordinate chalcopyrite, sphalerite and galena. Silver was reported to occur primarily as native silver along with argentite and cerargyrite (Schrader, 1909, p. 83; Bastin, 1923, p. 24)

Geology: Country rock is medium-grained gneissic biotite granite and associated schist. It is intruded by dikes of granite porphyry. The mineralization occurs in a fissure vein 2-8 feet in width. The vein strikes west of north and dips 80° south. The mineralization is believed associated with a dike of the granite porphyry, most of which occur nearly to the north. The deposit has contained ore shoots ranging from 4 to 20 feet in width, which consist mostly of pyrite and chalcopyrite with parallel streaks of arsenopyrite, black oxide on manganese, gray chert and quartz. (Schrader, 1909, p. 84).

Past production: The only reported production was 152.282 short tons of silver-gold ore averaging 315.31 oz. Ag/ton and 6.41 oz Au per ton in 1886-87 (Bastin, 1924, p. 24)

Present activity: John Rothermel reported that he has sampled the surface of the vein by small pits in 50 foot intervals over approximately 300 feet of exposure. Six samples ranged from 60-90 oz Ag/ton and 0.01 Au/ton. The vein is reported to pinch and swell from 2 to 8 feet in width.

References: Schrader, F.C.; 1909, Mineral Deposits of the Cerbat Range, Black Mts. and Grand Wash Cliffs, Mohave County, Arizona; U.S. Geol. Survey Bull. 397, 226 p.  
Bastin, Edson S., 1923; Origin of Certain Rich Silver Ores Near Chloride and Kingman, Arizona, in Contributions to Economic Geology; U.S. Geol. Survey Bull. 750, p. 17-39

**DEPARTMENT OF MINERAL RESOURCES**  
**State of Arizona**  
**MINE OWNER'S REPORT**

Date..... January 14, 1953

1. Mine:..... Hagey Mining Claims, Mineral Park, Mohave County, Arizona.  
of Sec. 13, Twp. 23N, Range 18W.
2. Location: Sec..... 18 Twp..... 23 North Range..... 17 West Nearest Town Chloride  
Distance..... 10 miles Direction..... S. E. Road Condition..... Good, Graded
3. Mining District & County:..... Wallapai Dist., Mohave Co.
4. Former Name of Mine:..... Buckeye, Cornwall Group, George Washington
5. Owner:..... Mr. & Mrs. John H. Hagey  
Address:..... Box 205, Chloride, Ariz.
6. Operator:..... Same  
Address:.....
7. Principal Minerals: Gold, Silver, Lead, Zinc, Copper
8. Number of Claims:..... 11 unpatented claims Placer.....  
Patented..... Unpatented.....
9. Type of Surrounding Terrain:..... Rugged Terrain
10. Geology & Mineralization:..... Fissure Veins in Gneiss, Schist and Granite.  
Strike East West, & North 60 West.  
Steep dip. These are quartz veins with sulphides of zinc, lead, copper  
and iron, carrying varying amounts of gold and silver. Near surface, some  
oxidised ore has been mined for gold and silver.
11. Dimension & Value of Ore Body:..... Veins a few inches to several feet wide.  
Not blocked out ore.  
Assays vary considerably, such as:-  
Some on Snafu Mine, samples by Mr. Hagey ran 0.01 to 0.12 oz. gold,  
0.6 to 9.7 oz. silver, 0.15 to 0.3% copper, Tr. to 2.8% lead and .4 to 14.4%  
Zinc. From the Connection claim (Formerly Buckeye) Mr. Hagey has three  
assays running 0.58 to 0.90 oz. gold and 86.1 to 88.0 oz. silver.  
From the same claim, an Ariz. Testing Lab. Assay sheet shows 0.52 oz.  
gold and 88.4 oz. silver.

12. Ore "Blocked Out" or "In Sight":.....

~~Need sampling & assaying to determine grade of faces and backs.~~

Ore Probable: See above.

13. Mine Workings—Amount and Condition: Possibly a total of 4000-5000 feet of cross-cuts,

No.	Feet	Condition
Shafts.....		<u>drifts, raises, shafts, etc. Partly caved and full of water.</u>
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: From the adits, etc., estimate total 10 gallons per minute.

15. Brief History: Not much available. Some ore was mined and milled by some Cornish people and some shipped by others.

16. Signature: John H. Hagey Julia D. Hagey

17. If Property for Sale, List Approximate Price and Terms: Make offer.

DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
MINE OWNER'S REPORT

Date Jan. 30, 1953.

1. Mine: Hagey Mining Claims
2. Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_ Nearest Town Chloride  
Distance 10 mi. Direction S. E. Road Condition Good Graded
3. Mining District & County: Wallapai Dist - Mohave
4. Former Name of Mine: Buckeye, Cornwall Group, George Washington
5. Owner: S - Mr. & Mrs. John H. Hagey  
Address: Box 205, Chloride, Ariz.
6. Operator: Same  
Address: \_\_\_\_\_
7. Principal Minerals: Gold, Silver, Lead, Zinc, Copper
8. Number of Claims: 11. Lode  Placer \_\_\_\_\_  
Patented \_\_\_\_\_ Unpatented
9. Type of Surrounding Terrain: Rugged Terrain
10. Geology & Mineralization: Fracture Veins in Gneiss, Schist & Granite. Strike East West, & <sup>60°</sup> N. West Steep dip.
11. Dimension & Value of Ore Body: Veins a few inches to several feet wide. Not blocked out ore. Assays vary considerably, such as:-

12. Ore "Blocked Out" or "In Sight": *Subject to sampling & assaying.*

Ore Probable:

13. Mine Workings—Amount and Condition: *Possibly 1000-5000' of X-cuts,*

No.	Feet	Condition
Shafts	<i>drifts, raises, shafts, etc.</i>	
Raises	<i>Partly caved &amp; partly full of water</i>	
Tunnels		
Crosscuts		
Stopes		

14. Water Supply: *From mines (adits) 10 gal/min estimated.*

15. Brief History: *Not available.*

16. Signature: *John H. Hagney. Julia D. Hagney.*

17. If Property for Sale, List Approximate Price and Terms:

GEOLOGICAL REPORT  
RURAL-BUCKEYE PROPERTY  
WALLAPAI MINING DISTRICT  
MOHAVE COUNTY, ARIZONA

LOCATION:

The Rural-Buckeye Property consists of four contiguous mining claims, one patented, located approximately 20 miles northwest of Kingman, Arizona, and one and a half miles northeast of Mineral Park. At an elevation of approximately 5,100', the area is rugged and steep. The major workings are located either side of a wash and subject to flash flooding. The property is situated in the NW/4 of Section 18, Township 23N, Range 17W, G&SRM, Mohave County, Arizona, and is accessible by foot trail from the Mineral Park Road.

SCOPE OF REPORT:

Time was the limiting factor in this investigation. One day was spent on the property, walking out traverses and investigating old workings. Facts and opinions in this report are based on a cursory field examination and on the Author's specific knowledge of the area and general familiarity with the published literature concerning the Wallapai District.

HISTORY AND PRODUCTION:

The Rural-Buckeye Property lies in an area rich and colorful in Arizona Mining History. Bonanza type silver lode discoveries brought miners to the District in the early 1860's. Oxidized ores were mined extensively during the 1880-1890 period principally for silver and gold. The rapid decline in silver prices between 1885-1895, the recession of 1905 and the exhaustion of rich, near surface, oxidized ores caused the suspension of mining operations in the area.

Mike Dunn, a California prospector, discovered the property in the latter 1880's and operated successfully for a number of years. During the early history of the mine, the property produced some of the richest ore ever taken from the District. Solid native silver specimens 6" to 8" thick, encrusted with masses of wire silver were reported taken from the shallow workings.

Bastin, 1924, (pp. 24) lists the early production from the Rural and Buckeye mines during 1886-87 as 152 tons containing 315 ounces silver per ton and 5.68 ounces gold per ton.

Schrader, 1909, (pp. 84) states: "The ore contains silver, gold and copper, with high silver and gold values. The display of ores from these mines (Rural and Buckeye), containing masses of solid silver and beautiful specimens of wire silver, is said to have been

awarded the silver medal at the Louisiana Purchase Exposition." And he continues, "The production is reported to be considerable and much good ore is left in the (Rural and Buckeye( mines. "

Bastin, 1924, (pp. 24) states all the workings were inaccessible in 1913.

During the late 1920's, M. B. Dudley and Associates attempted to reopen the Rural and Buckeye mines and reportedly produced some ore from the upper workings. The shaft was increased to a depth of 200 feet and miners remarked that good ore was exposed when the property closed. No attempts have been made since to reopen the workings.

In 1943, the Tennessee Mine, 3 miles northwest of the Rural-Buckeye Property, and mining in the same vein system, was producing 150 tons of ore per day which averaged 20 ounces of silver per ton. Total production from the Tennessee Mine is reported to be in excess of 500,000 tons. (Dings, 1941, pp. 147).

The value of metals produced from the Wallapai District during the years 1904-1948, U. S. Bureau of Mines, 1948 Annual Report was about 22.5 million dollars at 1948 prices (nearly half a billion dollars at today's prices). Values were principally in lead and zinc but with substantial amounts of copper, silver and gold.

Currently inactive, Duval's Mineral Park open pit copper-molybdenum operation located one mile south of the Rural-Buckeye Property, is capable of producing 18,000-20,000 tons per day of .5% copper and .045% molybdenum ore.

#### GEOLOGY AND ORE DEPOSITS:

ADJAINS THE  
BUCKEYE

The Cerbat Mountains constitute one of the many north-south trending, fault-block ranges of the southwest desert. They consist primarily of metamorphosed pre-Cambrian igneous and sedimentary rocks, cut by later intrusions of Mesozoic (?) granite and monzonite porphyries, known locally as the Ithaca Peak Granite, and by Tertiary volcanic dykes. Centering around the Ithaca Peak intrusive, mineralization is typically copper and molybdenum sulfides, which were mined by Duval. Surrounding the intrusive is a zone several miles wide of lead-zinc-silver bearing veins which gradationally change into veins of intense silver-lead mineralization.

The vein type ore deposits occur in clefts or cracks in the country rock in which the mineral material precipitated from aqueous solution (hydrothermal fissure veins). It is probable that these fissures formed from forces accompanying the emplacement of the Ithaca Peak intrusive. With the intrusive acting as a heat engine, a convecting hydrothermal system developed that set up a hypogene enrichment process which deposited ore and gangue minerals near the top of the convecting cell and extracted metals and sulfur from sources at depth. Conceivable, as the solution approached the fissure level, it boiled, thereby distilling the acid forming constituents CO<sub>2</sub> and H<sub>2</sub>S. Cooling and a slight pH rise of the residual liquids, due to

loss of acid forming constituents, may be regarded as a mechanism of sulfide precipitation. Exposure of the veins to normal weathering processes oxidized the ore and, to a point, enriched it by the downward migration of slightly acidic rainwater carrying metals in solution.

Many veins, occurring in nearly vertical fault fissures, strike north-west and outcrop for considerable distances. The fault fissures are largely occupied by breccia with abundant shearing and some gouge. Ore lenses, or shoots, though not continuous are numerous and tend to have greater vertical rather than horizontal extent. Concentrations of extremely high-grade ore appear to favor vein junctures. These concentrations are attributable to chemical and physical changes which enhanced mineral deposition at the fissure level of the convecting cell.

The main vein on the Rural-Buckeye Property strikes approximately N60°W, it is apparently faulted between the Rural and Buckeye mines since the Rural portion of the vein dips about 80°S while the Buckeye portion dips 70°N. The two mines are located on either side of a wash which is probably the trace of the fault with lateral throw. The country rock in the vicinity of the vein is a medium grained, granite gneiss of pre-Cambrian age. The gneiss is intruded by dykes of granite porphyry which are associated with the Ithaca Peak Granite of Mineral Park.

The underground workings are inaccessible but Schrader, 1909, (pp. 84) describes the underground features as follows: "The vein is two to four feet in width in the Rural and attains a maximum of eight feet in width in the Buckeye. In both mines it is associated with a dyke of granite porphyry. The gangue is quartz and is generally frozen to the walls. It shows ore shoots (in 1909) ranging from 4 to 20 feet in width... The principal developments in the Rural consist of 200 feet of shaft and 100 feet of drift and in the Buckeye 750 feet of drift."

The primary mineralization is one of chalcopyrite, pyrite, arsenopyrite and oxides of manganese. Silver chloride, native silver and native gold are present in the oxidized portion of the vein.

#### ORE RESERVES:

The Rural-Buckeye Property contains base-metal silver veins, oxidized silver-gold veins and possibly a zone of enrichment in between. Data from past developments, publications and reports are insufficient or unavailable, to completely delineate the orebody.

Considering the extent and mineralized nature of the Rural-Buckeye vein, and its association with the dyke of granite porphyry which would provide a sizable locus for ore deposition, it is possible to anticipate considerable ore at depth, below the present workings.

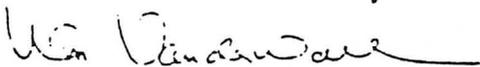
The mine dumps may carry precious metal values amenable to cyanidation. This possibility should not be overlooked.

CONCLUSION:

On the basis of surface observations and facts provided in the published literature it is the Author's conclusion the property contains a well developed structure with strong base-metal silver mineralization. It is also the Author's conclusion that the results of detailed geologic mapping and diamond drilling could justify initiating a mining venture.

Respectfully submitted,

PACIFIC REGIONAL OPERATIONS, INC.



William C. Vanderwall  
Arizona Technical Registration No. GIT 34

Bibliography:

Bastin, E. S., 1924, Origin Of Certain Rich Silver Ores Near  
Cloride and Kingman, Arizona: USGS Bulletin  
750, pp. 17-39

Lingren, W. & Hayes, C. W., 1907, Contributions To Economic Geology:  
USGS Bulletin 340, pp. 66

Schrader, F. C., 1909, Mineral Deposits Of The Cerbat Range, Black  
Mountains And Grand Wash Cliffs, Mohave County,  
Arizona: USGS Bulletin 397, pp. 83-84

origin. In degree the replacement of proustite by silver is compatible with that of chalcopyrite by covellite in the same specimen, and both are attributed to descending oxidizing solutions.

The silver content in the specimens examined is therefore in part primary, in proustite and polybasite, and in part secondary, as native silver. The primary silver content is high—sufficient in itself to produce a rich silver ore. Such abundance of primary sulphosalts of silver in ores from depths of only 50 to 80 feet is unusual but is due to the dense, highly quartzose, fine-grained nature of the ore, which narrowly limits oxidation and enrichment to the immediate vicinity of fractures.

#### RURAL AND BUCKEYE MINES.

The Rural and Buckeye mines are about 1½ miles northeast of Mineral Park and are a few hundred feet apart on the same vein. The wall rocks are granite gneiss and schist of pre-Cambrian age, intruded by dikes of much younger granite porphyry. The vein is nearly vertical and from 2 to 8 feet wide. All workings were inaccessible in 1913, the mines having been idle for many years. Ground water stood at a depth of about 50 feet below the collar in the Rural shaft.

Ores seen on the dumps showed pyrite, arsenopyrite, and quartz as the dominant minerals, with chalcopyrite, sphalerite, and galena subordinate. No silver minerals were seen on the dump, but native silver is abundant in specimens from this mine seen at Kingman. One specimen in the collection of E. F. Thompson shows a mass of nearly solid native silver 1½ inches across.

The following records show the tenor of the richer ores:

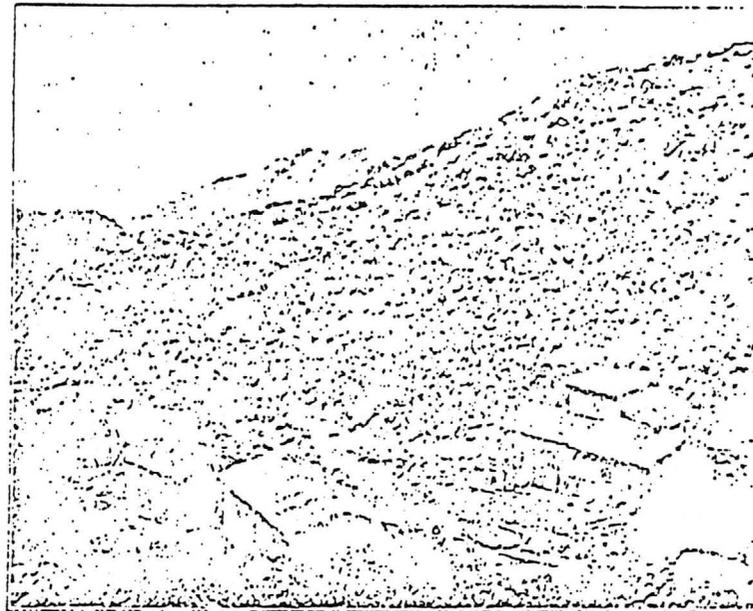
*Tenor of smelting ores shipped from Rural and Buckeye mines in 1886-87.*

Net weight (pounds).	Silver (ounces per ton).	Gold (ounces per ton).	Net weight (pounds).	Silver (ounces per ton).	Gold (ounces per ton).
9,033	722	6.13	29,802	266	5.85
8,024	430	2.66	21,106	219	4.00
13,089	210	2.55	72,680	480	8.25
28,376	479	9.46	10,212	442	8.16
23,575	119	4.90	27,142	172	4.70
30,999	145	6.05	87	4,467	4.80
9,898	142	5.12	167	4,024	5.35
20,314	73	7.29			

#### QUEEN BEE MINE.

The Queen Bee mine is in the northwestern part of the Mineral Park district, close to the cut-off trail to Chloride. The mine is owned by James B. Uncopher, of Mineral Park, to whom the writer is indebted for valuable information and specimens. The

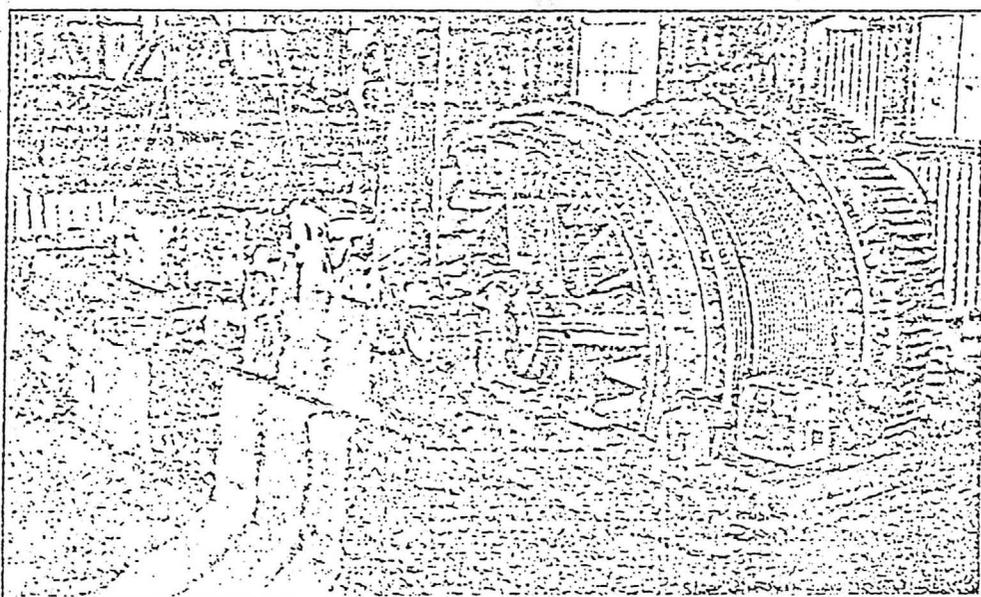
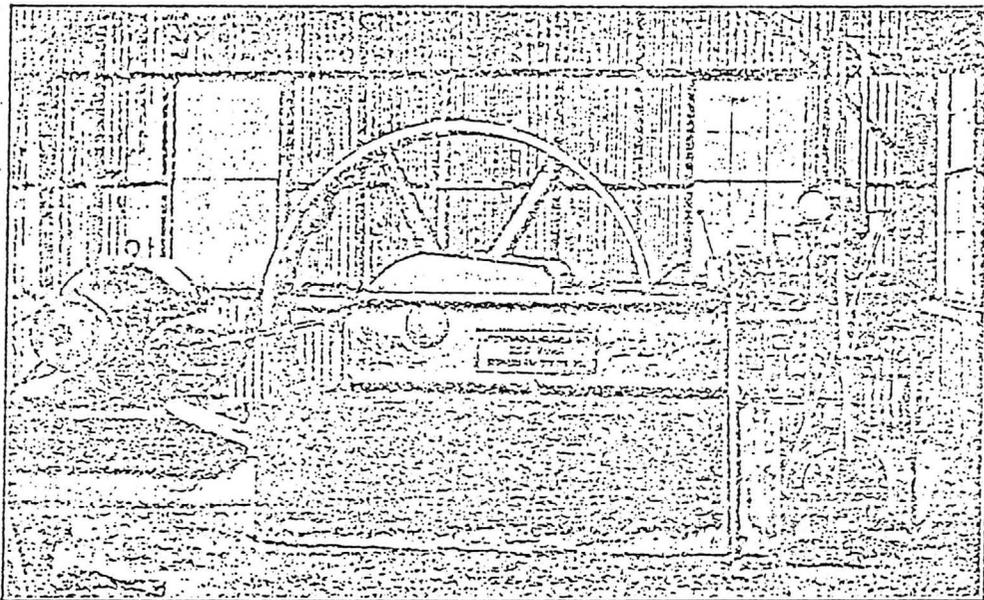
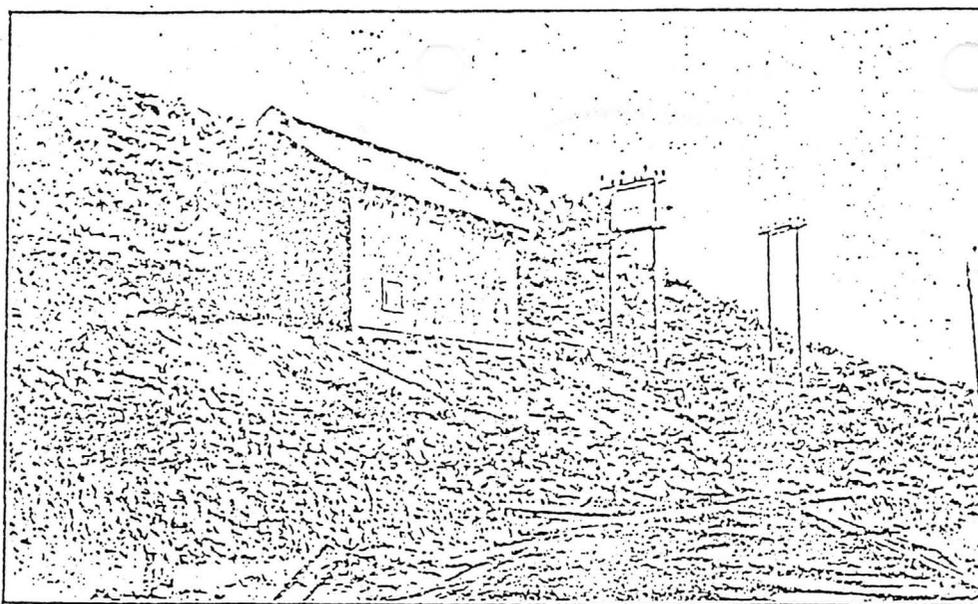
# Rural Mines, Discovered in 1881



ALTHOUGH Mike Dunn had never seen a snake in all his days in the land of his birth yet it was a snake that brought him a snug little fortune and a cottage on Emerald Isle. Mike Dunn had been a prospector for years and when the call came it found him at Mineral Park. He had been staked to prospect by the late Mr. Christie and for months he had combated hills and ravines below the summit of Mt. Peak without success. One day as he was struggling through the rocks and brush on a hillside he stirred up a rattlesnake. It at once disappeared beneath a rock, and he began active operations to dig out the snake and kill it. He not only succeeded in getting the snake but in the process of digging he discovered a vein of ore that formed the future fortune, the Rural mine. Some of the ore was brought to town with him and caused a great stir. The owners at once began the work of a shaft a short distance to the east of the site of discovery and this shaft was soon the richest ore ever taken out in the camp. The ore was solid masses of silver and wonderful quantities of wire, the main body of shipment was an arsenical iron sulphide carrying small quantities of silver and gold. This discovery was made in 1881 and the railroad having come to the county the ores were shipped to both the Elby smelter at Vallejo, California, and the Philadelphia smelter, at Pueblo, Colorado. A large tonnage of the ore was shipped, and it was not until the mine became in the mind of Mike Dunn that he was offered and accepted a lease for his interest in the property. He refused to sell, although offered double the price that Dunn sold for and continued in the ownership of the mines until his death. The adjoining property also produced a large quantity of silver ore and was more extensively worked than the Rural. No ore that ran less than 10 ounces silver was shipped from the mine because it would not pay for the mining charge to railroad, railroad freight and charges. At that time all ores had to be shipped from Colorado and Mineral Park to Kingman, Arizona, and St. Louis quite

resulted in much activity around Mineral Park, but the Rural and Buckeye were the real producers of the camp until the silver depression in the nineties. But during the time they were in commission shipments of upward of \$200,000 were made from the property. The specimens of silver produced by these mines were among the most beautiful of any ever taken from old Mother Earth. Today there is not a mineral cabinet in the world that does not have a specimen of this ore. We have seen solid masses of silver, resembling a retort, from which radiated beautiful clusters of wire silver, some of these silver masses rising to a height of five and six inches from the base. Others laced the rock together in fantastic shapes. Many of the specimens showed the wires encased in calcite, the dazzling white wires of silver showing through the bluish tinged calcite. Calcite crystals covered masses of silver in many forms, but the general run of specimens was solid wires of silver interwoven through the quartz gangue. No specimens of silver ever taken from a mine in the world approached these in beauty and thousands of dollars in rich silver specimens were high graded from the mine during its operation. Nothing was thought of a man taking a specimen away from the property, as they were so plentiful that no value was set on them; only shipping ore going into the sacks and yet we have seen these specimens bring from \$150 to \$500 each from mineral collectors. A cabinet in Kingman belonging to H. H. Watkins has one of these specimens from the Buckeye and many smaller ones that show the wonderful richness of the ore. The larger one has a silver content of 80 per cent, while the smaller ones are practically the pure quill. A few months ago M. B. Dudley for himself and associates, G. C. Duchesne, Samuel Weil, Samuel I. Rabinovich, and Milton Gross, well known and prominent New York financiers, purchased the Rural and Buckeye mines. W. W. Widdowson, one of the best known mining engineers of the coast, made a favorable report on the property after an extensive examination. Already a good roadway has been built into the property, the old road having long since been washed out by the terrible storms that have recently come down on the coast. The day when

of hauls by truck instead of wagon and cry and supplies are now being brought to dumps of the mine. A new shaft has been projected that will be sunk to the 500 level and the entire property opened up. Laterals were tried off from this shaft, which is to be an eye ground, into the Rural and that developed throughout its ore bearing is probably that crosscuts will be carried to the joining ground, where rich ore was worked years ago. The Rural vein shows big and small outcrop, but the larger part of the vein has been entered by shaft or drift, the work looking only for the high grade that was found in the smallest part of the property. Recent work shows that even the richer ore not all extracted, as specimens of wonderful richness were found in the old works, and high as 5,500 ounces were taken from the level of the Buckeye. Along this level the mill was found, and in the development work was completed that will make a big mill by modern milling process. A company has been formed to operate the property with J. H. Ley, consulting manager. A large plant and mine machinery has been purchased on the way to Kingman, whence it will be by truck to Mineral Park. This machinery will be in place within the next sixty days and work of sinking the main working shaft will be undertaken. With the development of the mine will come the mill, which will be modern and particular to handle the ores of both mines. As considerable ruby ore occurs in the tailing plant will be required, but this is one of the less important features that will be taken care of. So far it has been estimated that there is ore in available to keep a large mill in operation until developments are carried on to a permanent change in the ore. Electricity will be brought in for lights, the hoist and compressor being supplied by this juice. The camp is well situated in a most convenient place near the mine and a well of excellent water has been located. When the property is fully in commission it will be one of the most ideal camps in the West. The company is now organized and has



Modernly Equipped Electric Power House, With Compressor and Electric Hoist at Rural-Buckeye Mine

properties that may be in dispute. Ridenour, who acted as head of the man party, is of the opinion that the property secured is of great importance. It was estimated that the copper in the outcrops and on the dumps has a value of approximately \$800,000.

Indians were called in and made locations, the red men staying with claims for some time back. Just what status of the Indians will be held is yet to be decided by the Interior Department, which has to be applied to them proper standing in the matter making mineral locations. Some of the Indians have gone into the Diamond section, where they are said to have locations on excellent copper outcrops.

### COPPER AGE

Paul White, in charge of the Copper Age, near Chloride, has had several men at work on that property this week, getting up and fixing up some timber in the tunnels. It is reported that the Copper Age will reopen at an early date and the mine has been a big producer.

## Globe-Miami District

### ARIZONA COMMERCIAL

No mining company operating in the Globe-Miami district has made more factory progress this year in developing its property than the Arizona Commercial Mining company, and at the same time has maintained production at about 100 tons daily.

The mine shows a greater tonnage of ore blocked out than ever before, and production is coming from every level from the seventh to the fifteenth, inclusive.

Rapid progress is being made in sinking the new shaft, which when completed and equipped will be the main production shaft. A depth of more than 700 feet has been reached in sinking and the opening of the shaft is being expedited by raising from several levels. It is expected that the new shaft including skip pockets will be completed and fully equipped by March.

### SUPERIOR AND BOSTON

The stockholders of the Superior and Boston Copper company of Globe, met recently for the election of five directors to serve for the ensuing year.

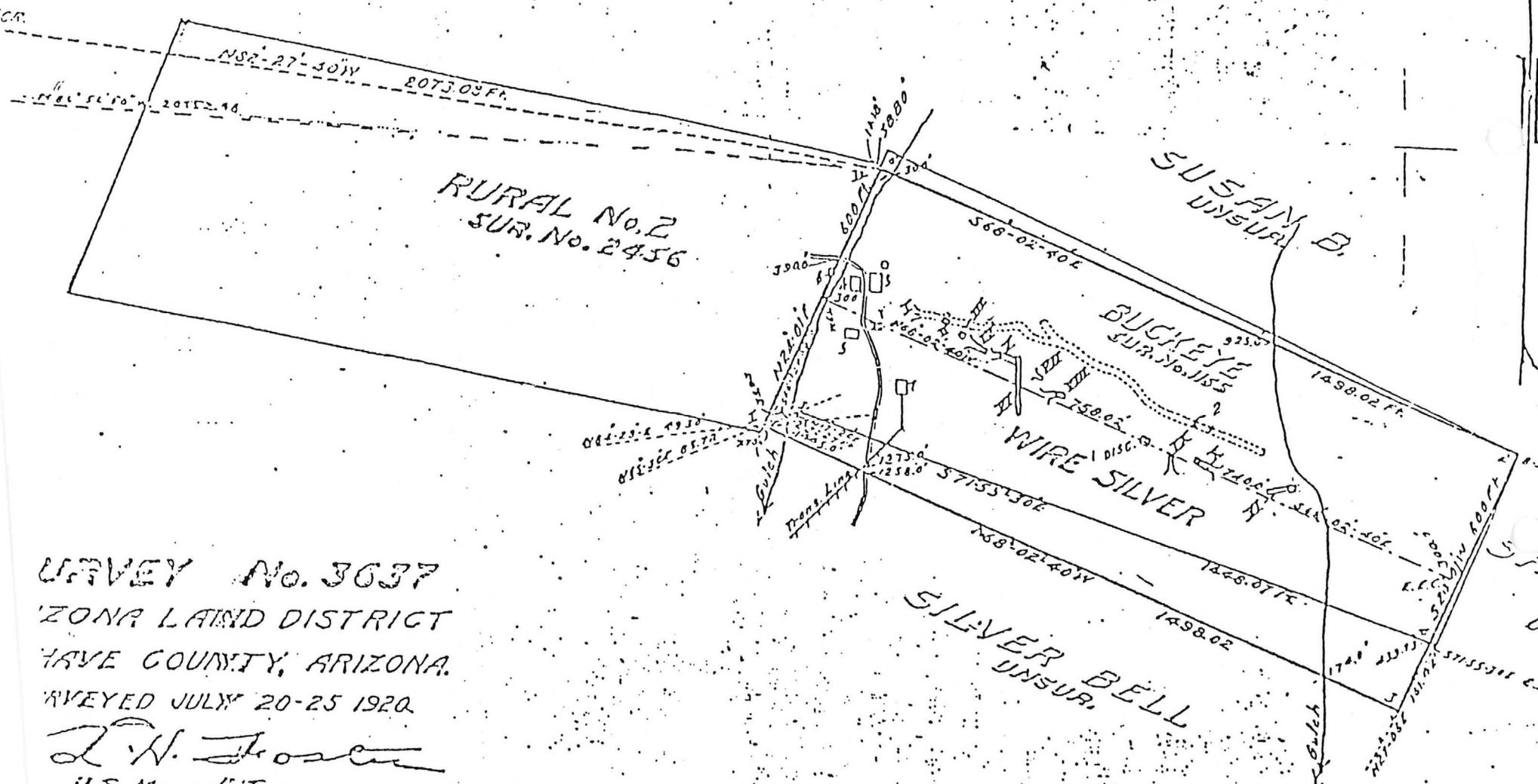
The directors chosen are: Garrett J. B. Hardon, W. F. Fitzgerald, Barry and T. R. Drummond. They will meet in Boston at an early date to elect their officers.

Very satisfactory progress was made during the past year in the development of the company's mining property in the Globe district, under the personal direction of manager T. R. Drummond. The scheme of braced diamond drilling and other scientific exploration work.

An important strike of ore was made recently in the foot wall vein, on the 1000 foot level. This vein where crossed is seven feet wide, and carries four feet of glance ore assaying 24 per cent copper and 92 ounces of silver.

### IRON CAP COPPER CO.

In a bulletin to the stockholders of



SURVEY No. 3637  
 ZONA LAND DISTRICT  
 YAVAPAI COUNTY, ARIZONA.  
 SURVEYED JULY 20-25 1920.

*J. W. Foster*  
 U.S. Mineral Surveyor

Scale - 1 inch = 500 FT.

2799  
 100  
 100



LAB NO. 0073

# ADVANCED MINING

900 E. KAREN • SUITE H-216  
LAS VEGAS, NEVADA 89109  
(702) 733-0610

For: H. E. Peterson

Date: 1-22-83

RURAL MINE VIEN, head ore

Received: \_\_\_\_\_

Submitted by: Pat

Completed by: T. Steel

## REPORT OF LABORATORY TESTS

Sample Marked	Sample Weight	Bead Weight	Gold	Silver	Platinum—Other
#1 dark	15gr.	4,25mg.	+	+ = 8.5 oz ton	
#2 dark	15gr.	5mg.	+	+ = 10 oz ton	Prec. Mtl.

Both samples were crushed but not impacted nor concentrated.

LAB NO. 0074

# ADVANCED MINING

900 E. KAREN • SUITE H-216  
LAS VEGAS, NEVADA 89109  
(702) 733-0610

For: H. E. Paterson

Date: 8-19-83

RURAL DUMP MATERIAL #2      Head Ore.

Received: Trevor Steel

Submitted by: Pat

Completed by: T. Steel

## REPORT OF LABORATORY TESTS

Sample Marked	Sample Weight	Bead Weight	Gold	Silver	Platinum—Other
#1-Pyrite	15gr.	1ml.	+	+ = 2 oz ton	
#2=B.Qrtz.	15gr.	.5ml.	+	+ = .5 oz ton prec mtl.	
#3-Chlrd.	15gr	.5ml.	+	+ = .5 oz ton	
#4- D.Qrtz.	15gr.	3,75ml.	+	+ = 7.5 oz ton.	

039 3032

LAB NO. 0072

# ADVANCED MINING

900 E. KAREN • SUITE H-216  
LAS VEGAS, NEVADA 89109  
(702) 733-0610

For: H. E. Paterson  
BUCKEYE DUMP  
\_\_\_\_\_  
\_\_\_\_\_

Date: 10-18-83

Received: 10-17-83

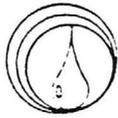
Submitted by: Pat

Completed by: T. Steel

## REPORT OF LABORATORY TESTS

Sample Marked	Sample Weight	Bead Weight	Gold	Silver	Platinum—Other
30# dump material concentrated to 8# impacted to 1/8 bdz	1#	16.5mg.	+	+ = 1.04 oz ton	
10- 28- 83 1-f3	Buckeye Dump 20gr.	Washed with No. Wash 2mg	T. Steel Prec. Metals	= 2.5 oz per ton	
1-bx4	20gr.	1mg.		10z ton	
11-4-83 Fx#3	BUCKEYE DUMP 15gr.	IMPACTED TO 1/8 1mg. Prec. Mtls		T. Steel =2 oz per ton	
Fx#4	15gr.	.75mg.		1.75 oz per ton	

040 3133



# Arizona Testing Laboratories

817 West Madison Street □ Phoenix, Arizona 85007 □ 602/254-6181

For Mr. Fred Rothermel  
19407 North 33rd Avenue  
Phoenix, Arizona 85027

Date March 1, 1985

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
0908	200' shaft Rural & Buckeye Mines	1.2	58.				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.



041

3/34

Abstract IC  
P-2,3

BUCKEYE PRIVATE  
LIMITED PARTNERSHIP

~~3335~~

RURAL BUCKEYE *file?*

DESCRIPTION

Location:

1½ miles northeast of Mineral Park near Kingman, Arizona.  
NE¼ MW¼ Section 18, Township 23N, Range 17 West (USGS Chloride Quad.)

General Description of Property:

See report by John Rothermel.

The following are quotes from U.S. Geological Bulletin No. 397 in regard to the Rural Buckeye Mines:

1. The Rural and Buckeye mines are in the northeastern part of the district, 1½ miles northeast of Mineral Park, near the south base of Cherum Peak, at an elevation of about 5,000 feet.
2. They are situated but a few hundred feet apart on the same vein, the Rural being on the west and the Buckeye on the east side of the same gulch.
3. The Rural is developed principally by a 200 foot shaft, about 100 feet of drift and a winze. The drift extends westward, its face being about 110 feet distant from the shaft.
4. The Buckeye is developed principally by about 750 feet of drift, extending in an easterly direction. Toward the face of the drift the vein is faulted off to the northeast by a lateral throw of about 75 feet.

GEOLOGY

From U.S. Geological Bulletin no. 397:

The country rock is medium-grained gneissoid biotite granite and associated schist. It is intruded by dikes of granite porphyry. The deposits occur in a fissure vein which is 2 to 4 feet in width in the Rural and attains a maximum of 8 feet in the Buckeye. In the Rural it dips about 80° S. and in the Buckeye about 70° N. In both mines it is associated with a dike of the granite porphyry, masses of which occur to the northeast near by. The gangue is quartz and is generally "frozen" to the walls. It shows ore shoots ranging from 4 to 20 feet in width, which consist mostly of pyrite and chalcopyrite, with parallel streaks of arsenopyrite, black oxide of manganese, gray chert and quartz, the quartz being more prominent in the Buckeye than in the Rural mine.

Also see report by John Rothermel.

3537

EXPLORATION PLAN

RURAL BUCKEYE

In order to open this mine to our geologists, it will be necessary to reopen 700 feet of tunnel which is partially collapsed. During the reopening of the old tunnel, it will be necessary to re-do the old road system to enable mine equipment to move around the property and for ore shipment.

After the initial reopening, the geological team will begin mapping and assaying in order to define the areas to be diamond drilled.

Although this work will be time consuming, it appears from old records, that this will be an excellent near term prospect to establish a working mine and create a cash flow to cover future exploration costs.

## RURAL BUCKEYE

Recommendations by: H. E. PATTERSON

Before conducting any exploration or development, the initial step would be to thoroughly survey, map, and sample the main adit entrance.

The samples should consist of channel cuts taken from areas along the fissure vein where it is of a mineable width, and where the overhead is not stoped. The main adit could be rehabilitated for haulage of ores should the sampling results show ore containing at least 20 ounces to the ton in silver. Silver should be estimated at \$10.00 per ounce in figuring cost estimates. All samples should be analyzed for gold and silver.

The completed mine map will be a projection on a horizontal plan. It will show all underground workings accessible to entry such as winzes, raises, levels, cross-cuts, stopes, faults, ore shoots as indicated by assays, strike and dip of veins.

The preliminary surveying can be done with a Brunton and Chain.

After the preliminary mapping and sampling, the extent and location of the ore shoots, if any, as exposed in the adit will be much better understood. Tentative values of ore per ton can be calculated with silver at \$10.00 per ounce and gold at \$400.00 per ounce which are conservative figures.

If enough ore appears to be in sight, the mine access road can be bladed to permit truck traffic to the mine site. The preliminary surveying and sampling can be completed in one to two days although the assays will probably take two to three weeks to be fire assayed. After the access road is bladed and widened, the adit can be re-timbered in those areas where inspections reveal that the hanging wall is weak or in areas of intersecting faults. The adit will have to be mucked and trammed to produce an even grade of  $1\frac{1}{2}$  inches in 12 feet.

To initially start a small operation, the adit will need to have track installed with at least a mine ore dump car for removal of ore for stockpiling during development. Before contemplating larger operations, it is advisable that several test holes be drilled to determine the grade, depth and horizontal extent and width of the ore shoots. Ore reserves should be mapped before considering any milling on the property, or shipping regularly to a smelter. At this time, metallurgical tests and flow chart analysis can be performed.

By initially stockpiling ore from the highest assay areas, development expenses can be offset at least partially by the value of ore removed. It is always best to follow the ore with limited capital.

Basically, then the steps in exploration and development of the Rural group are the following recommendations:

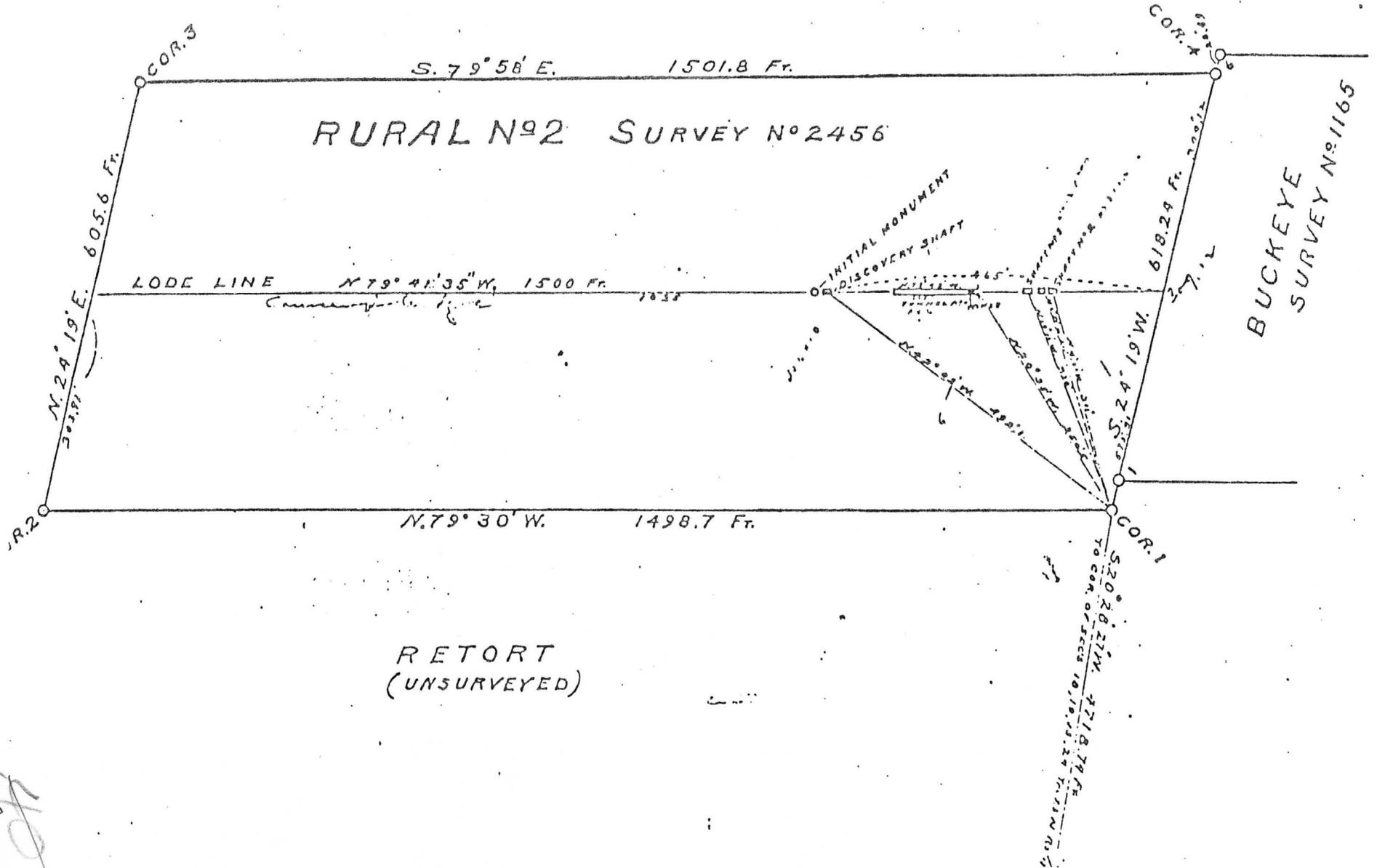
1. Map the underground workings.
2. Thoroughly sample the workings.
3. Complete mine and assay map.
4. Geological mapping of claim group.
5. Blade the road for better access.
6. Muck and tram adit, timber the caves and loose ground with timber sets.
7. Lay rail in adit, secure ore dump car.
8. Stockpile ore in temporary bin at surface for shipping.
9. If ore shoot shows continuity after mining has progressed and values hold, then the extent can be further delineated by several drill holes to estimate tonnage.
10. All these steps are contingent on the favorable results of the initial assays and on the results from the ore removal operations.

Surface or adit samples may vary considerably from the values of the bulk ore removed. The initial ore can be hand-sorted as removed with little waste rock going into the bin.

Equipment designations for mining equipment were previously given. Professional advice from a mining engineer is recommended unless operator is experienced with underground mining operations.



NOT LOCATED



*Handwritten initials/signature*

Properties:

Claims

✓ Rural #2 20.88 acres patented  
✓ Buckeye 20.63 acres unpatented  
✓ Rural Annex 13.77 acres unpatented  
✓ Rural Annex I 20.66 acres unpatented  
✓ Rural Extension

Tunnels

Rural - 200 feet

Buckeye -

Main Tunnel: 600-700 feet running  
about 180 feet deep.

Other Tunnels: Upraise 70 feet to  
surface.

Winze 180 feet.

Two tunnels 100 and  
150 feet in length  
above the main tunnel

Dumps

one small dump

Comodity:

Silver (gold, copper, zinc and lead)

Minerals:

Dominant Vein Minerals - pyrite,  
arsenopyrite and quartz, with subor-  
dinate chalcopyrite, sphalerite and  
galena - with the silver existing as  
native silver.

41  
43

Production:

The mine was only mined for 5 to 6 years.

Total historical production:

976.13 ounces of gold  
48,016.04 ounces of silver

Ore shipments in 1886 and 1887:

Net Weight (lbs)	Silver (ounces per ton)	Gold (ounces per ton)	Net Weight (lbs)	Silver (ounces per ton)	Gold (ounces per ton)
9,033	722	6.13	29,862	266	5.85
8,024	410	2.66	21,106	219	4.00
13,089	200	2.55	72,680	480	8.25
28,376	479	9.16	10,212	442	8.16
28,575	119	4.90	27,142	172	4.70
30,999	106	6.05	87	4,467	4.80
9,808	109	5.12	167	4,024	5.35
20,314	73	7.29			

Source: U.S.G.S. Bulletin #397

Assays:

Mine	Date	Gold (ounces per 2000 lbs)	Silver (ounces per 2000 lbs)
Rural 1	2/10/75	0.52	-----
Rural Hill Vein	11/25/75	0.038	25.16
Rural Hill Vein	6/04/76	0.04	11.60
Rural	12/06/74	1.20	13.75
Rural Hill	6/22/76	0.02	183.80
Rural Mine	10/22/75	0.01	91.39
Rural Hill Vein	4/07/76	0.01	64.50

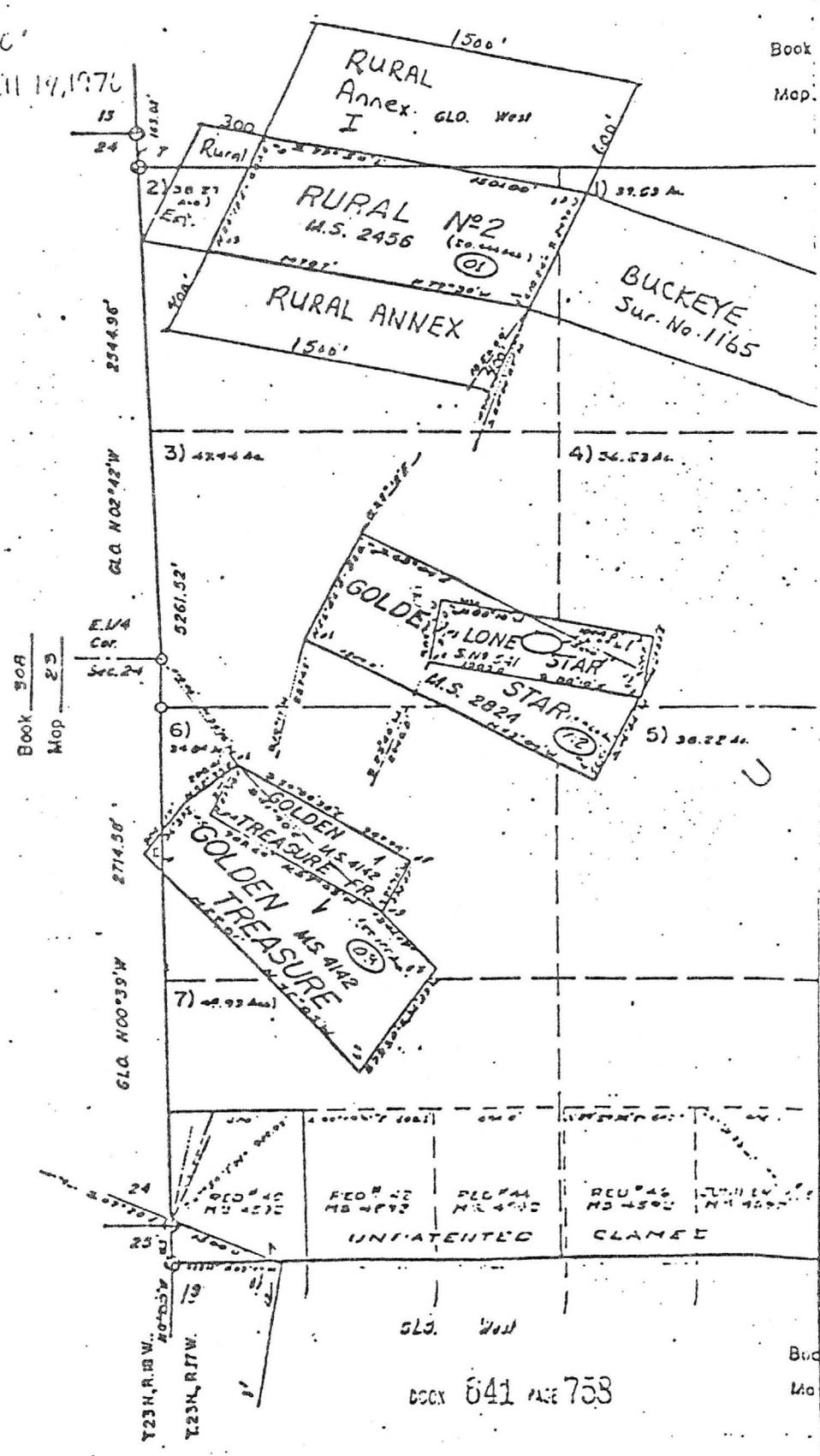
It was reported that John Rothermel had sampled the surface of the vein by small pits in 50 foot intervals over approximately 300 feet of exposure. Six samples ranged from 60-90 ounces Ag/ton and 0.01 ounces Au/ton. The vein is reported to pinch and swell from 2 to 8 feet in width.

4244

GLENDALE, ARIZONA  
S5301

Scale 1" = 600'  
DATE: MARCH 14, 1976

Book  
Map



BOOK 841 PAGE 758

## RURAL - BUCKEYE MINES

This summary is being prepared by the property owner at the request of H.E. Patterson, and represents the author's opinion regarding the mineral bearing ore potential of these mines.

The possibility of profitable operation of these particular mines is dependent upon many considerations: among which may be mentioned the price of silver; costs of transportation and labor; milling and smelting facilities; the width and horizontal extent of the ore body; the primary distribution of silver minerals within the vein; and the nature and extent of downward enrichment in silver.

The Rural and Buckeye Mines are situated about  $1\frac{1}{2}$  miles Northeast of Mineral Park and are reported to be on the same vein. The vein is nearly vertical and two to six feet in width. The vein appears to be more prominent on the Buckeye property which would account for the more extensive development.

The main Buckeye tunnel  $4\frac{1}{2} \times 6\frac{1}{2}'$  is approximately 600-700' in length and bears  $S 66^{\circ} 15' E$ , 144 feet from the West end center of the claim. Approximately 125' from the portal there is an upraise  $3\frac{1}{2} \times 6'$  70 feet to the surface and a winze  $4 \times 6\frac{1}{2}'$  180 feet with a level, 700' running  $S 64^{\circ} 40' E$  from the bottom of the winze. There are two tunnels, 100' and 150' in length above the main tunnel. The main Buckeye shaft is approximately 180' deep. The deepest depth of these workings

being approximately 250', which is represented by the 180' winze. Considerable quantities of silver/gold ore have been shipped from these workings. It is the writer's opinion based on a visual inspection of the tunnel that between 40-50% of the ore above the tunnel level was stoped out and how much ore is still available in the lower level is unknown. 50-300 feet is the depth limits of the oxidized zone with the primary zone being found below the oxidized zone. The bulk of the silver produced from the Rural/Buckeye Mines came from oxidized ore, with cerargyrite (horn silver) and native silver being the dominant silver minerals. In the lower part of the oxidized zone ruby silver (proisite) was mentioned in the old newspaper clippings. The author's opinion being that the ruby silver ores are primary offers encouragement to deeper mining on the Rural/Buckeye properties.

The old workings indicate that horizontal extent of the ore bearing zone being 700 feet in length. The potential ore still available in these mines is at best only an estimate and will have to be verified by drilling or through actual development. The mention of ruby silver in the old articles and the position- extension of the ore bearing zone from the Buckeye into the Rural property and the possibility of another ore shoot on Rural could represent substantial tonnages of silver ore. The old development work on the two properties is considered shallow, less than 250' in depth at the deepest point.

Several thousands tons of mineral bearing rock is still available in the upper levels of the Buckeye tunnel, and the funnel workings could be rehabilitated to extract this ore should the sampling program show gold/silver values of a profitable nature.

John Kothermel

4648

3,300' of Rural vein

1 700' tunnel with upraise and winze

700' level runs off of winze

Rural contains 200' shaft and 110' tunnel with 50' winze

Property to west is held by Exxon and to the north, south and east is held by Duval Corp (subsidiary of Pennzoil)

Duval has been drilling south of the mine property near the New Moon

⊕ Silver and gold ore visible in tunnel level and in the stopes

Very little development on the Rural Patented

⊕ There are several additional undeveloped veins on the Rural and Buckeye.

⊕ Work is presently being done in area where main working vein is intersected by 49' width. Another vein - contains rich silver and gold streak

Rural No. 2 is patented, Buckeye is Mineral Survey No. 1155. Also contains Rural Extension, Rural Annex, Rural Annex 1 unpatented lode claims - all recorded with BLM.

⊕ Over 1 mile of veins

Rural Annex has a strong, well defined vein structure. Bladed road access from open pit

Rural/Ducktrap Mines  
Wallapai Mine District  
Mohave County, Arizona



**Field Engineering  
Corporation**

Albuquerque District Office

2201 San Pedro Dr. N.E.  
Building 3, Suite 220  
Albuquerque, NM 87110

A Subsidiary of  
The Bendix Corporation

August 10, 1979

Mr. Dick Genova  
2608 N. Potrero  
Phoenix, Az. 85006

Dear Dick,

Here are your long - awaited results of the analyses we promised you.

Sample # MGA-851 is from the road cut area near the Chico Mine where the scintillometer showed 2400 cps. Sample #MGA-852 is of the gossan above the Rural Mine. Sample #MGA-853 is the one we took from the vein exposed in the short, partially caved, adit at the Sky-scraper Mine.

The enclosed analyses are all expressed in parts per million. I have also included a copy of a conversion table that will enable you to convert the ppm values into per cent and, for the silver values, into troy ounces per short ton.

Regards to John, and good luck.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wade Corder".

Wade Corder  
Geologic Technician

Encl. (2)

4850

DEC SAMPLE NO.	MGA 851	MGA 852	MGA 853
LAB SAMPLE NO.			
U <sub>3</sub> O <sub>8</sub> R (ppm)	80.4	7.2	1.3
U <sub>3</sub> O <sub>8</sub> W (ppb)			
U <sub>3</sub> O <sub>8</sub> S,SS (ppm)			
LOI S,SS (%)			
MEA (ppm)			
Ag	< 0.5	700.0	30.0
Al	60000	10000	30000
As	< 200	10000	3000
B	10	20	50
Ba	20	100	50
Be	10	5	15
Ca	150000	1000	1000
Co	5	10	10
Cr	200	50	500
✓ Cu	< 10	2000	100
Fe	50000	150000	50000
La	700	50	< 20
Li	< 100	< 100	< 100
Mn	200	70	>5000
Mo	< 10	< 10	< 10
Na	2000	2000	5000
Nb	70	20	10
Ni	< 10	< 10	20
✓ Pb	70	1000	1000
Sb	< 100	< 100	< 100
Sc	15	< 10	15
Sn	< 10	< 10	< 10
Sr	1000	< 100	< 100
Ti	7000	< 20	1500
V	30	10	30
W	< 100	< 100	< 100
Y	>200	< 10	10
✓ Zn	< 200	1000	1500
Zr	>1000	< 10	20

Rural  
20 ounces  
Silver

4951

PRELIMINARY CONSIDERATIONS

TO CONVERT PARTS PER MILLION TO OUNCES PER SHORT TON:

PPM x 0.2916 = OPT (ounces per ton)

PERCENT	=	PARTS PER MILLION	=	TROY OUNCES (per 2000 lb short ton)
100.000 %		1,000,000 PPM		29,166.667 OZ
10.000		100,000		2,916.667
1.000		10,000		291.667
0.100		1,000		29.167
0.010		100		2.917
0.001		10		0.292
0.0001		1		0.029
0.00001		0.1		0.003

TO CONVERT TROY OUNCES IN A SHORT TON (2000 LBS) TO PARTS PER MILLION:

$\frac{1,000,000 \text{ PPM (Short Ton)}}{29,166.667 \text{ Troy Ounces}} = 34.285 \text{ PPM}$

PPM	TROY OZ PER TON
34.285	1.000
3.4285	0.100
0.3428	0.010
0.0343	0.001

REFERENCES:

PREPARED BY H. Richard DATE Feb 1966  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

DATE

57-50









# ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.  
 815 WEST M. WILSON STREET PHOENIX, ARIZONA 85007

PHONE 254-1181

For Rothco Mines  
 3016 West Mercer Lane  
 Phoenix, Arizona 85019

Date April 7, 1976

## ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1642	Boral Hill Vein	0.01	64.5				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

*C. E. McLean*  
 55  
 57

# ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.  
 811 WEST MADISON STREET PHOENIX, ARIZONA 85007 TEL. ME 2-1019

For Rothco Mines  
 Mr. John B. Rothermel  
 3016 West Mercer Lane  
 Phoenix, Arizona 85029

Date April 28, 1976

## ASSAY CERTIFICATE

100% of  
 Bar Kevc

LAB NO	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1789	No Mark	0.01	42.				

Respectfully submitted,  
 ARIZONA TESTING LABORATORIES

  
 Claude E. McLean

56  
 58

## ASSAYS

LITTLE CHIEF: Excerpts from Mining Report, December 31, 1950. Banner Vein and the Dike Vein, both gold and silver veins, run through property. 20.4 deeded 60 acre mineral lease. "The veins on your property are strong and well defined and there is no question as regards their permanency and continuity to a very great depth." "Considerable ore has been shipped from some of these openings during the history of the property that is reported to be better than a hundred thousand dollars." "Serbart mining country has richest ore in Stockton Hill." Assays .03 gold, 62.17 silver oz/ton, July 2, 1930.

PINKHAM: 21 acres deeded, 20 acres mineral lease. Geologist Report, August 26, 1974. "Sampling indicates that approximately 8,000 tons of dump material near the main shaft contains .035 ounces gold, 4% to 8% silver; a predicted average would be .035 ounces gold and 6.5 ounces silver." Union Smelting and Refining states that the Pinkham Mine was considered the best copper mine in the area. Also have 62 assays of the dump. Phelps-Dodge processed 88 tons March 23, 1980, \$21,252.75.

RURAL & BUCKEYE: 20.4 deeded acres, 60 acres mineral lease. "The display of ores from these mines containing masses of solid silver and beautiful specimens of wire silver is said to have been awarded the silver medal at the Louisiana Purchase Exposition." Past production reported was 152.282 short tons of silver-gold ore averaging 315.3102 average ton silver.

Arizona-Montana primary mill site. Flat and has source for water.

Wallapai Mining District  
Mohave County, Arizona

R. M. B.  
djk



**Field Engineering  
Corporation**

Albuquerque District Office

2201 San Pedro Dr. N.E.  
Building 3, Suite 220  
Albuquerque, NM 87110

A Subsidiary of  
The Bendix Corporation

August 10, 1979

Mr. Dick Genova  
2608 N. Potrero  
Phoenix, Az. 85006

Dear Dick,

Here are your long - awaited results of the analyses we promised you.

Sample # MGA-851 is from the road cut area near the Chico Mine where the scintillometer showed 2400 cps. Sample #MGA-852 is of the gossan above the Rural Mine. Sample #MGA-853 is the one we took from the vein exposed in the short, partially caved, adit at the Sky-scraper Mine.

The enclosed analyses are all expressed in parts per million. I have also included a copy of a conversion table that will enable you to convert the ppm values into per cent and, for the silver values, into troy ounces per short ton.

Regards to John, and good luck.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wade Corder".

Wade Corder  
Geologic Technician

Encl. (2)

5860

PRELIMINARY CONSIDERATIONS

TO CONVERT PARTS PER MILLION TO OUNCES PER SHORT TON:

PPM x 0.2916 = OPT (ounces per ton)

PERCENT	=	PARTS PER MILLION	=	TROY OUNCES (per 2000 lb short ton)
100.000 %		1,000,000 PPM		29,166.667 OZ
10.000		100,000		2,916.667
1.000		10,000		291.667
0.100		1,000		29.167
0.010		100		2.917
0.001		10		0.292
0.0001		1		0.029
0.00001		0.1		0.003

TO CONVERT TROY OUNCES IN A SHORT TON (2000 LBS) TO PARTS PER MILLION:

$\frac{1,000,000 \text{ PPM (Short Ton)}}{29,166.667 \text{ Troy Ounces}} = 34.285 \text{ PPM}$

PPM	TROY OZ PER TON
34.285	1.000
3.4285	0.100
0.3428	0.010
0.0343	0.001

REFERENCES:

PREPARED BY H. Richard DATE Feb 1966

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

DESIGNED FOR \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

59  
01

BFEC SAMPLE NO.	MGA 851	MGA 852	MGA 853
LAB SAMPLE NO.			
U <sub>3</sub> O <sub>8</sub> R (ppm)	80.4	7.2	1.3
U <sub>3</sub> O <sub>8</sub> W (ppb)			
U <sub>3</sub> O <sub>8</sub> S,SS (ppm)			
LOI S,SS (%)			
MEA (ppm)			
Ag	< 0.5	700.0	30.0
Al	60000	10000	30000
As	< 200	10000	3000
B	10	20	50
Ba	20	100	50
Be	10	5	1.5
Ca	150000	1000	1000
Co	5	10	10
Cr	200	50	500
Cu	< 10	2000	100
Fe	50000	150000	50000
La	700	50	< 20
Li	< 100	< 100	< 100
Mn	200	70	>5000
Mo	< 10	< 10	< 10
Na	2000	2000	5000
Nb	70	20	10
Ni	< 10	< 10	20
Pb	70	1000	1000
Sb	< 100	< 100	< 100
Sc	1.5	< 10	1.5
Sn	< 10	< 10	< 10
Sr	1000	< 100	< 100
Ti	7000	< 20	1500
V	30	10	30
W	< 100	< 100	< 100
Y	>200	< 10	10
Zn	< 200	1000	1500
Zr	>1000	< 10	20

Rural  
20 ounces  
Silver

6062

on  
10/21/83

L - PECK ENTERPRISES INC.

ANNOUNCEMENT

FOR INFORMATION ONLY

No one is obligated to pay the Government more taxes than is absolutely necessary.

If you have not taken steps to defer some of your tax liabilities for this year, the last year of the 70% tax base, this will interest you. It would seem to be an especially important year to use some of those tax dollars to increase the value of your estate. By using a good multiple leverage tax deferred investment that has an excellent chance of giving you an income in the lower tax bracket next year.

We have recently closed a silver mining limited partnership which had all the characteristics necessary to do just that. This new offering, which is located in the same general area, even looks better as is illustrated in the enclosure.

We have lots of geology on the property which consists of 5 claims. They have taken silver out of these mines that has assayed at 3000 oz. per ton. Many of the geologists claim there is at least 50% or more of the ore left in these mines and they have excellent current assays on which to base their beliefs.

This will be a really simple operation. All we need to do is open the mines...prove where the veins are and as we mine it, stock-pile the ore until we have several carloads. Then we ship all the ore to the refinery. They will pay us for minerals extracted. This eliminates much of the risks inherent in most mining ventures...by the necessity of developing a complicated mining plan, extraction process.

This really looks like a winner. The end of the year is close. So if you are interested in deferring some of those taxes into dollars. Please call us or send the enclosed card. You better do it now though, while you are thinking about it.

Thank you,

*Leslie E. Peck*

Leslie E. Peck  
President

BUCKEYE RURAL ?

LP/vg  
Enc.

ECONOMIC HIGHLIGHTS of SILVER MINE

(based on \$9.00 per troy oz. & 20% lead content net yield at smelter)

Cash required per unit	\$ 15,715.
5-year promissory note	31,712.
Total deduction this year	42,583.
Percentage deductible this year	271%

Return potential per unit

@ 25 tons milled per day

Investors 80% =  $\$2.88 \times 25 \text{ tons} \times 288 \text{ days} = \$20,736/\text{yr.}$   
x 5 yrs. = \$103,680.

Notes 40% =  $\$1.92 \times 25 \text{ tons} \times 288 \text{ days} = \$13,824/\text{yr.}$   
x 2.3 yrs. = \$31,795.

After note is repaid, Partnership continues to receive  
50% of revenue.

@ 50 tons milled per day

Investors 80% =  $\$2.88 \times 50 \text{ tons} \times 288 \text{ days} = \$41,472/\text{yr.}$   
total 5 years = \$207,360

Notes 40% =  $\$1.92 \times 50 \text{ tons} \times 288 \text{ days} = \$27,648/\text{yr.}$   
x 1.2 years = \$31,800.

After note is repaid, Partnership continues to receive  
50% of revenue

EVERYTHING INDICATES IN EXCESS OF 100% RETURN ANNUALLY.

5264

Ret: Rural / Quench Mine  
Wallapai Mining District  
Mohave County, Arizona

R  
M  
J



**Field Engineering  
Corporation**

Albuquerque District Office

2201 San Pedro Dr. N.E.  
Building 3, Suite 220  
Albuquerque, NM 87110

A Subsidiary of  
The Bendix Corporation

August 10, 1979

Mr. Dick Genova  
2608 N. Potrero  
Phoenix, Az. 85006

Dear Dick,

Here are your long - awaited results of the analyses we promised you.

Sample # MGA-851 is from the road cut area near the Chico Mine where the scintillometer showed 2400 cps. ~~Sample #MGA-852 is of the gossan above the Rural Mine.~~ Sample #MGA-853 is the one we took from the vein exposed in the short, partially caved, adit at the Sky-scraper Mine.

The enclosed analyses are all expressed in parts per million. I have also included a copy of a conversion table that will enable you to convert the ppm values into per cent and, for the silver values, into troy ounces per short ton.

Regards to John, and good luck.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wade Corder".

Wade Corder  
Geologic Technician

Encl. (2)

6786

BFEC SAMPLE NO.	MGA 851	MGA 852	MGA 853
LAB SAMPLE NO.			
U <sub>3</sub> O <sub>8</sub> R (ppm)	80.4	7.2	1.3
U <sub>3</sub> O <sub>8</sub> W (ppb)			
U <sub>3</sub> O <sub>8</sub> S,SS (ppm)			
LOI S,SS (%)			
MEA (ppm)			
Ag	< 0.5	700.0	30.0
Al	60000	10000	30000
As	< 200	10000	3000
B	10	20	50
Ba	20	100	50
Be	10	5	15
Ca	150000	1000	1000
Co	5	10	10
Cr	200	50	500
Cu	< 10	2000	100
Fe	50000	150000	50000
La	700	50	< 20
Li	< 100	< 100	< 100
Mn	200	70	>5000
Mo	< 10	< 10	< 10
Na	2000	2000	5000
Nb	70	20	10
Ni	< 10	< 10	20
Pb	70	1000	1000
Sb	< 100	< 100	< 100
Sc	15	< 10	15
Sn	< 10	< 10	< 10
Sr	1000	< 100	< 100
Ti	7000	< 20	1500
V	30	10	30
W	< 100	< 100	< 100
Y	>200	< 10	10
Zn	< 200	1000	1500
Zr	>1000	< 10	20

Rural  
20 ounces  
Silver

65  
67

PRELIMINARY CONSIDERATIONS

TO CONVERT PARTS PER MILLION TO OUNCES PER SHORT TON:

PPM x 0.2916 = OPT (ounces per ton)

PERCENT	=	PARTS PER MILLION	=	TROY OUNCES (per 2000 lb short ton)
100.000 %		1,000,000 PPM		29,166.667 OZ
10.000		100,000		2,916.667
1.000		10,000		291.667
0.100		1,000		29.167
0.010		100		2.917
0.001		10		0.292
0.0001		1		0.029
0.00001		0.1		0.003

TO CONVERT TROY OUNCES IN A SHORT TON (2000 LBS) TO PARTS PER MILLION:

$$\frac{1,000,000 \text{ PPM (Short Ton)}}{29,166.667 \text{ Troy Ounces}} = 34.285 \text{ PPM}$$

PPM	TROY OZ PER TON
34.285	1.000
3.4285	0.100
0.3428	0.010
0.0343	0.001

REFERENCES:

PREPARED BY H. Richard DATE Feb 1966

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

ANALYZED FOR \_\_\_\_\_

BY \_\_\_\_\_

DATE \_\_\_\_\_

*Handwritten initials/signature*



DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES  
MAKES NO REPRESENTATION AS TO THE ACCURACY  
OF THE CONTENTS OF THESE DOCUMENTS.

Mine Rural Date April 1976  
District Mineral Park, Mohave County Engineer Ken A. Phillips  
Subject: Present status  
Owner: John Rothermel, 6012 N. 47<sup>th</sup> Drive, Glendale 934-6333  
3016 W. Mercer Lane, Phoenix, 942-4470.

Claims: Rural (patented), Rural Anex, Rural Anex #1, Rural Extension (3 unpatented)

Location: One and one-half miles northeast of Mineral Park near the south base of Cherum Peak (Schrader, 1909, p. 83) NE $\frac{1}{4}$ NW $\frac{1}{4}$  S. 18 T23N R17W (USGS Chloride Quad)

Commodity: Silver (gold, copper, zinc and lead)

Minerals: Dominant vein minerals; pyrite, arsenopyrite and quartz with subordinate chalcopryrite, sphalerite and galena. Silver was reported to occur primarily as native silver along with argentite and cerargyrite (Schrader, 1909, p. 83; Bastin, 1923, p. 24)

Geology: Country rock is medium-grained gneissic biotite granite and associated schist. It is intruded by dikes of granite porphyry. The mineralization occurs in a fissure vein 2-8 feet in width. The vein strikes west of north and dips 80° south. The mineralization is believed associated with a dike of the granite porphyry, most of which occur nearly to the north. The deposit has contained ore shoots ranging from 4 to 20 feet in width, which consist mostly of pyrite and chalcopryrite with parallel streaks of arsenopyrite, black oxide on manganese, gray chert and quartz. (Schrader, 1909, p. 84).

Past production: The only reported production was 152.282 short tons of silver-gold ore averaging 315.31 oz. Ag/ton and 6.41 oz Au per ton in 1886-87 (Bastin, 1924, p. 24)

Present activity: John Rothermel reported that he has sampled the surface of the vein by small pits in 50 foot intervals over approximately 300 feet of exposure. Six samples ranged from 60-90 oz Ag/ton and 0.01 Au/ton. The vein is reported to pinch and swell from 2 to 8 feet in width.

References: Schrader, F.C.; 1909, Mineral Deposits of the Cerbat Range, Black Mts. and Grand Wash Cliffs, Mohave County, Arizona; U.S. Geol. Survey Bull. 397, 226 p.  
Bastin, Edson S., 1923; Origin of Certain Rich Silver Ores Near Chloride and Kingman, Arizona, in Contributions to Economic Geology; U.S. Geol. Survey Bull. 750, p. 17-39

68  
701

**DEPARTMENT OF MINERAL RESOURCES**  
**State of Arizona**  
**MINE OWNER'S REPORT**

Date..... January 14, 1953

1. Mine: Hagey Mining Claims, Mineral Park, Mohave County, Arizona.
2. Location: Sec. 18 Twp. 23 North Range 17 West Nearest Town Chloride  
Distance 10 miles Direction S. E. Road Condition Good, Graded
3. Mining District & County: Wallapai Dist., Mohave Co.
4. Former Name of Mine: Buckeye, Cornwall Group, George Washington
5. Owner: Mr. & Mrs. John H. Hagey  
Address: Box 205, Chloride, Ariz.
6. Operator: Same  
Address: .....
7. Principal Minerals: Gold, Silver, Lead, Zinc, Copper
8. Number of Claims: 11 unpatented claims Placer .....
- Patented..... Unpatented.....
9. Type of Surrounding Terrain: Rugged Terrain  
.....  
.....
10. Geology & Mineralization: Fissure Veins in Gneiss, Schist and Granite.  
Strike East West, & North 60 West.  
Steep dip. These are quartz veins with sulphides of zinc, lead, copper and iron, carrying varying amounts of gold and silver. Near surface, some oxidised ore has been mined for gold and silver.  
.....  
.....
11. Dimension & Value of Ore Body: Veins a few inches to several feet wide.  
Not blocked out ore.  
Assays vary considerably, such as:-  
Some on Snafu Mine, samples by Mr. Hagey ran 0.01 to 0.12 oz. gold,  
0.6 to 9.7 oz. silver, 0.15 to 0.3% copper, Tr. to 2.8% lead and .4 to 14.4%  
Zinc. From the Connection claim (Formerly Buckeye) Mr. Hagey has three  
assays running 0.58 to 0.90 oz. gold and 86.1 to 88.0 oz. silver.  
From the same claim, an Ariz. Testing Lab. Assay sheet shows 0.52 oz.  
gold and 88.4 oz. silver.

12. Ore "Blocked Out" or "In Sight": .....

~~Need sampling & assaying to determine grade of faces and backs.~~

Ore Probable: See above.

13. Mine Workings—Amount and Condition: Possibly a total of 4000-5000 feet of cross-cuts,

No.	Feet	Condition
Shafts.....		<u>drifts,raises,shafts,etc. Partly caved and full of water.</u>
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: From the adits, etc., estimate total 10 gallons per minute.

15. Brief History: Not much available. Some ore was mined and milled by some Cornish people and some shipped by others.

16. Signature: John H. Hagey      Julia D. Hagey

17. If Property for Sale, List Approximate Price and Terms: Make offer.

DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
MINE OWNER'S REPORT

Date Jan. 30, 1953.

1. Mine: Hagey Mining Claims
2. Location: Sec. .... Twp. .... Range. .... Nearest Town Chloride  
Distance 10 mi. Direction S. E. Road Condition Good Graded
3. Mining District & County: Wallaapai Dist - Mohave
4. Former Name of Mine: Buikaya, Cornwall Group, George Washington
5. Owner: s - Mr & Mrs. John H. Hagey  
Address: Box 205, Chloride, Ariz.
6. Operator: Same  
Address: .....
7. Principal Minerals: Silver, Silver, Lead, Zinc, Copper
8. Number of Claims: 11. Lode  Placer .....
- Patented .....
- Unpatented
9. Type of Surrounding Terrain: Rugged Terrain
10. Geology & Mineralization: Fissure Veins in Gneiss, Schist & Granite. Strike East West, & N. West Steep dip.
11. Dimension & Value of Ore Body: Veins a few inches to several feet wide. Not blocked out ore. Assays vary considerably, such as:-

12. Ore "Blocked Out" or "In Sight": *Subject to sampling & assaying?*

Ore Probable:

13. Mine Workings—Amount and Condition: *Possibly 1000-5000' of X-cuts,*

No.	Feet	Condition
Shafts	<i>drifts, raises, shafts, etc.</i>	
Raises	<i>Partly caved &amp; partly full of water.</i>	
Tunnels		
Crosscuts		
Stopes		

14. Water Supply: *From mines (adits) 10 gal/min estimated.*

15. Brief History: *Not available.*

16. Signature: *John W. Hagey. Julia D. Hagey.*

17. If Property for Sale, List Approximate Price and Terms: