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This lode adjoins the Bullion No. 3 Lode on the East. The East end line of Bullion No. 3 Lode being the same as the West end line of Bullion No. 4. Mining information consists of 5 incline shafts, 4 open cuts and 3 tunnels, 2 holes having an aggregate footage of 200 feet.

The Bullion No. 5 Lode.

Bullion No. 5 Lode is located North of and adjoins the Bullion Nos. 3 and 4 with which it has a common side line. On Bullion No. 5 the improvements consist of discovery cut and 3 shafts, having an aggregate footage of (say 35 ft.) There is not enough work done on this claim to show for patenting, $500 worth of mining improvements as required by law, value of present work about $82.50.

The Gold Buckle Lode.

This claim joins the Gold Belt No. 1 Lode, the N.W. end of Gold Belt No. 1 being the same as the S.E. end of the Gold Buckle. This lode claim belongs to Mrs. Angela G. Scott. It was located about the same time as the Gold Belt group of claims. While filed upon as a lode claim—Goodman Gulch runs through the South ½ of the claim and Mrs. Scott considers it very valuable as placer ground. Numerous shafts are on this ground, much more than the $500 worth of required for patent work. Negotiations are pending whereby National Mines, Inc., will patent this claim, Mrs. Scott retaining the placer portion of the ground. This claim is a valuable and
necessary addition to National Mines, Inc. It will add 20% to the acreage acquired from Mrs. Scott. It is near the principal workings on Gold Belt No. 1 Lode and without doubt carries the western extension of the enormous ore zone of the Gold Belt No. 1 Lode, said zone being only some 200 feet S.E. from Gold Buckle end line. It is also very valuable to National Mines in connection with mill building and tailings disposal.

The La Paz Lode.

Between the Bullion No. 5 Lode and the Gold Buckle Lode is a triangular piece of ground covering the ground best situated for building such as boarding and bunk houses, homes for miners with families, roads to the mines, etc. This ground which has an excellent showing of mineral has been filed on by Location Notice in mound at discovery point. It is not surveyed or recorded. Located, date of discovery Feb. 1, 1940 from which date 90 days are allowed for completion of survey and record.

The Bullion Millsite.

Between Gold Belt No. 1, Bullion No. 4 and Bullion No. 5 Lodes is a small triangular tract on which is contemplated the location of a millsite, thus closing up lines and leaving no fractional ground, making National Mines holdings compact, no vacant ground being left, thus avoiding possible conflicts by intervening locations.
The Oro Grande Placer.

The Oro Grande Placer, located by legal subdivisions has an area of 20 acres. Considerable placer mining work has been done on this claim, more than enough for patent requirements. On this placer is located the present main camp of National Mines, Inc.

The Lucky Lou Placer.

The Lucky Lou Placer, located by Legal Subdivisions has an area of 20 acres. There is not sufficient work done on this claim to meet patent requirements. To avoid possible complications with reference to patenting lodes and placers it is desirable that patent application be filed on these placers before making patent application on Bullion Lodes.

All of these holdings of National Mines, Inc. when completed will have been by amended surveys brought into one compact body of mining ground, comprising some 210 to 215 acres of patented land, no fractions left between claims to cause conflict. These patents should be obtained at earliest possible date, before the general public can profit by intervening with our plans at and around this mining property.

National Mines, Inc. has in addition, but not adjoining properties heretofore described, two placer properties—the Gold Bond No. 1 and the Gold Bond No. 2 placers.
The Gold Bond No. 1 Placer.

This placer taken by Legal Subdivision is located at La Paz Wells, some 5 miles West of the main mine development. Its location is such that it may have a future value in controlling the water situation and water supply for the mines—besides it may have a potential placer value which is indicated. It may be advisable to patent this 160 acres of ground at a later date.

The Gold Bond No. 2 Placer.

This placer location, taken by legal subdivisions has an area of 40 acres—it is located in a gulch in which placer mining is now being done, on the main highway between mine and mill about 2 miles west of the mine. It may be advisable to patent this ground at a later date.

Numerous other lode mines were located by placing Location Notices in mounds. No work has been done on any of these claims. They can be perfected at any time, having intervening locations, should the company desire additional territory.

Title to these properties is clear—see opinion of Attorney Hacker which forms a part of this report. Abstracts are of a late date and show title in National Mines, Inc.
A pilot mill has been built at La Paz Wells some 5 miles West from the mine. It was located at this point on account of water which is secured by pumping from ten wells giving ample supply.

The National Mines, Inc. is installing at the mine a New jaw crusher for reducing the mine run ore to minus one inch. This crushed ore will be trucked to the pilot mill and there experiments in ore treatment will be carried on to determine the kind of equipment required for the best method, specially designed high speed multiple rolls. The tests run on these experiments in commercially treating the crude ore at the mine. Our first idea was that it appearing as a free gold ore, fine crushing followed by sluice-boxes would recover the pay values. Our later investigations and assays indicate that additional treatment by concentration will be required. However, this experimentation carried to a conclusion should avoid complication that would otherwise occur in future milling practice. With the excellent showing at the mine both as to volume and value and the fact that new work discloses still more pay ore, the future of this property seems assured.

Power.

A 40 H. P. Diesel Engine has been installed at the mill for operation of wells and pumping water at the mine.
This makes the free gold is, exploded from the gang, and will be recovered in a flow sheet that includes manual pegs, sluice boxes, concentrating tables, and agitator if necessary, to capture any fine gold. This is the simplest, most sensible mill process and is feasible due to the simple Von Complex character of the ore.

Over an extended period of testing, this method has demonstrated that a test concentrate of high values will be produced, 29 and a high percentage of the values recovered.
WATER.

The lack of water at the mine and consequent inability to reduce the ore on the ground is probably the main reason why the mine has not been worked continuously. Ore heretofore mined was of necessity high grade— as the primitive under financed methods of working would not stand the cost. Modern methods of transportation and ore treatment have eliminated these obstacles. Water, the life blood of the desert, can be had in any quantity desired by pumping from the level of water table formed by the Colorado River. Whether pumping plant should be located at La Paz Wells, or on Goodman Slough on Colorado Indian Reservation is to be determined by survey. It is recommended this be done at once.

Preliminary investigation shows the most feasible route will be on or near the line of the Indian Reservation and that all lines for water, electric power, telephone, etc., can be located on one right of way. Surveys and application for this right of way, preparation of maps and dates to be submitted to Washington, are under consideration at present time.

ELECTRIC POWER.

Electric power is available.

However, dam is about miles North.
California - Nevada Electric line from Parker to Blythe is miles West of the mine. A power line from Parker, passing through Quartzsite, is under construction—Quartzsite is about miles from the mine.

We understand a power line is to be constructed from Parker south through the Indian Reservation line on East side of Colorado River. This would be the most desirable power connection for the mine on account of being the shortest distance, and besides the power line could be on same right of way.

Water Pipe Line.

Surveys are necessary before estimates can be made. Preliminary study shows the line will be from 566 miles in length—grades as shown on U.S.A.S. Map should be fairly uniform, line for the greater part can be laid on surface if desired, covered where it crosses gullies, 600 to 600 feet probable elevation head plus head. If results and investigations of mine problems are as good as we think they are, would recommend pipe of large diameter, say not less than inches, water to be pumped into large tanks holding several days' supply for mill and camp use, tanks to be so located that water under pressure can be carried by gravity distribution to any needed locality in vicinity of the property.

SUPPLIES
Should the mine develop, as we believe it will, into a large paying gold mine, a small town, which we propose shall be called La Paz will be created and in addition to miners' homes, should have general supply store, post office, boarding and bunk houses, mine offices and residences for officials in charge, etc.

Mine supplies, hardware and tools can best be procured at Phoenix miles by auto over paved roads from Blythe, California. The nearest town to the mine is a tourist and agricultural town having little in the way of mining supplies, besides the strict and seemingly unwarranted State Inspection between the States of Arizona and California, make disagreeable conditions that limit free intercourse between the two States. Supplies bought in Blythe such as citrus fruits and honey are confiscated at Arizona Inspection Station if not up to some apparently arbitrary standard. The nearest railroad station in Arizona is some miles from the mine.

There is no wood for fuel, which will of necessity be oil or gas. Mine timbers can be obtained in carload lots from the coast.

WAGES.

National Mines, Inc. will pay the usual rates of the region for mine workers, all subject to State and Government rules as to Security, Insurance, etc.
Recommendations for operation.

Continue investigations as to best method of ore treatment until it is definitely worked out, while this is being done push patent proceedings to get absolute title to the ground. Make surveys and plans for water supply at the mine. Develop and block out ore to add to the already enormous quantity of ore in sight. Plan to use gravity method of operation throughout, keep several years ore supply blocked out in advance of its extraction.

Vigorously conduct all work—using modern methods and machinery, accomplishing in as short a time as possible the results we all desire—a big pay gold mine.

Respectfully submitted

M & M

What shall we cut out

What shall we add