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06/08/88

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BAY STATE

ALTERNATE NAMES:

HUGHES ARIZONA COPPER CO.

MOHAVE COUNTY MILS NUMBER: 121B

LOCATION: TOWNSHIP 23 N RANGE 18 W SECTION 10 QUARTER SE
LATITUDE: N 35DEG 23MIN 28SEC LONGITUDE: W 114DEG 11MIN 05SEC
TOPO MAP NAME: CHLORIDE - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

SILVER OXIDE
COPPER SULFIDE
GOLD LODE
ZINC SULFIDE
LEAD SULFIDE
INDIUM
GALLIUM

BIBLIOGRAPHY:

ADMMR BAY STATE FILE
DINGS, M. "WALLAPAI MNG DIST, AZ" USGS BULL
978-E, (MAP) PLATE 18, 1952
AZ. MNG JNL, MAR. 1919, P. 28
EVAL. OF MIN. RES. OF HUALAPAI INDIANS, VOL.
I, 1964, P. 288

BAY STATE

REFERENCES

MOHAVE COUNTY
WALLAPAI DIST.
T23N R18W Sec. 10

Mohave County MILS Index #121B

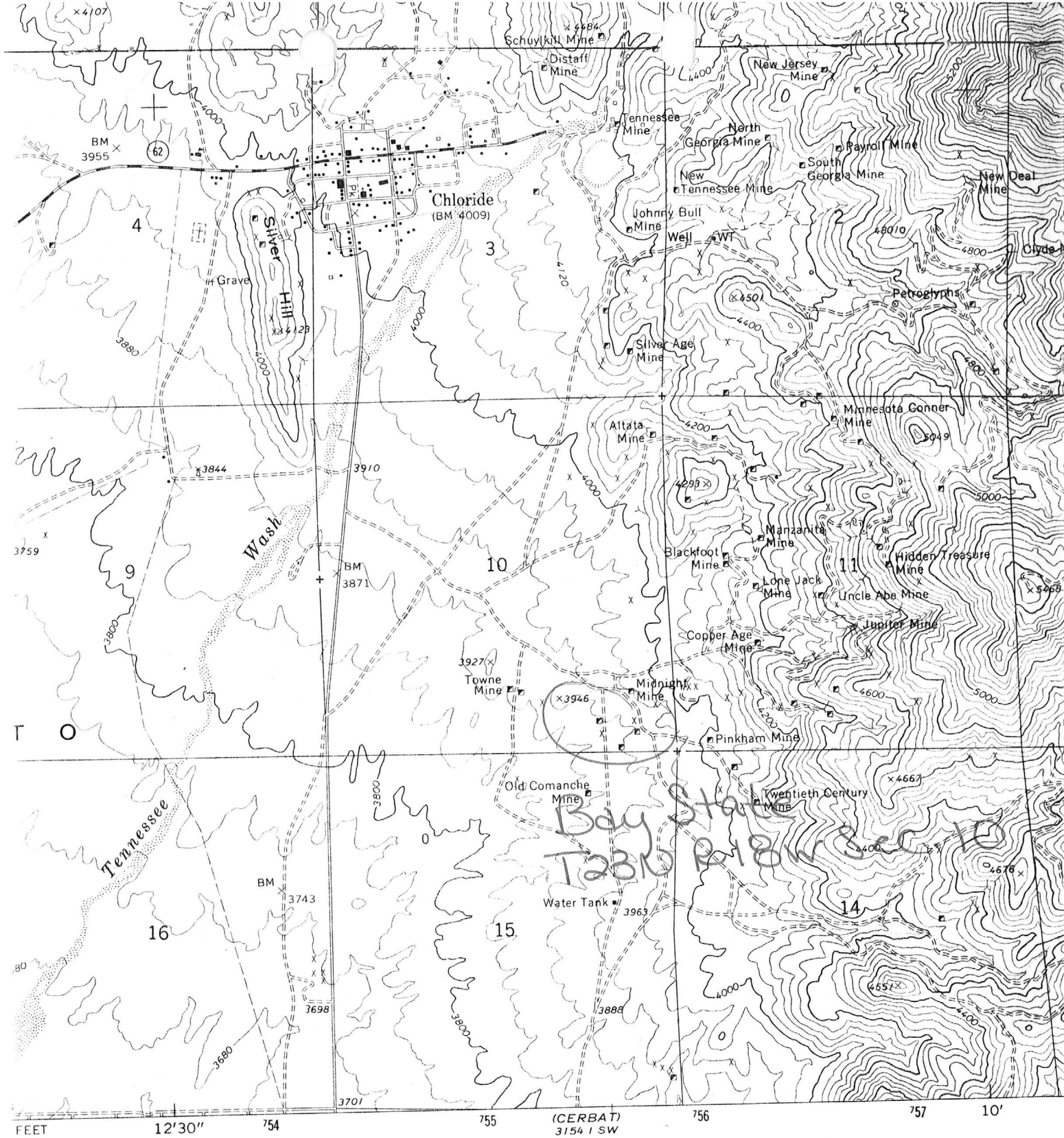
AKA: Hughes Arizona Copper Co.

USGS Bull. 978-E, (map) Plate 18

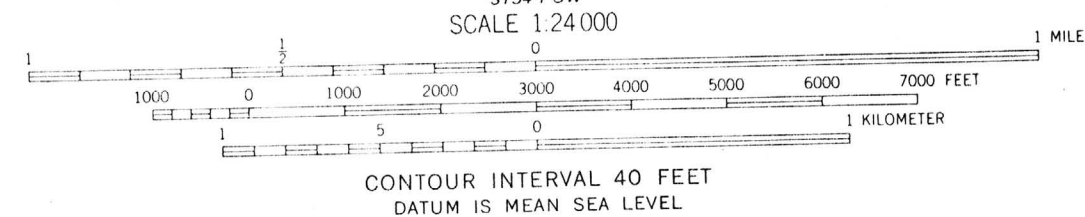
AZ Mining Journal, 1919, p. 28

Evaluation of Mineral Resources of Haulapai Indians, Vol. I, 1964, p. 288

Chloride, AZ 7.5' Topo (included in file)



968 MAGNETIC NORTH
1 CENTER OF SHEET



Chloride, AZ 7.5'

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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May 27, 1957

HUGHES ARIZONA COPPER COMPANY

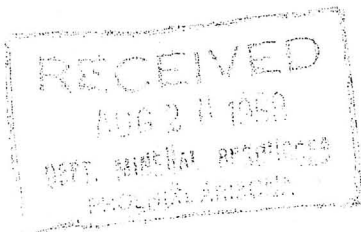
MOHAVE COUNTY
CHLORIDE DIST.

No information on this property.

Arizona Mining Journal, 3/1919, p. 28

Skillings Mng. Rev. 3/16/74, p. 22 - W.S. Murray,
New York, owner

MARK GEMMILL



ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

August 20, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Bay State (Mohave County) gold, silver, lead, zinc, indium, gallium
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

This property abandoned in 1946.

Langlois Bros.

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 17, 1939

1. Mine Bay State
2. Mining District & County Wallapai
3. Former name
4. Location Chloride
5. Owner Langlois Brothers
6. Address (Owner) 717 South San Pedro St.
Los Angeles, Calif.
7. Operator
8. Address (Operator)
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Gold, silver, lead, zinc,
indium, gallium
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type
18. Operations: Present Not operating
19. Operations Planned
20. Number Claims, Title, etc. One and a fraction. Location and annual assessment.
21. Description: Topography & Geography
22. Mine Workings: Amt. & Condition Three shallow shafts in good shape.

23. Geology & Mineralization

24. Ore: Positive & Probable, Ore Dumps, Tailings

24-A Vein Width, Length, Value, etc.

25. Mine, Mill Equipment & Flow Sheet

26. Road Conditions, Route **Perfect. Two miles from Chloride.**

27. Water Supply

28. Brief History

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate.

Langlois Bros.
717 South San Pedro St.
Los Angeles, Calif.

32. Signed.....J. G. Blackwell.....

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 17th. 1939.

Mine Bay State

District Wallapai

Location Chloride

Former name

Owner Langlois Brothers

Address 717 South San Pedro St.
Los Angeles, California.

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Gold, silver, lead, zinc,
indium, gallium.

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present Not operating

Operations Planned

Number Claims, Title, etc. One and fraction. Location and annual assessment work.

Description: Topog. & Geog.

Mine Workings: Amt. & Condition Three shallow shafts in good shape.

MB-1

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 17, 1939

Mine Bay State

District Wallapai

Former name

Owner Langlois Brothers

Operator

President

Mine Supt.

Principal Metals Gold, silver, lead, zinc,
indium, gallium

Production Rate

Power: Amt. & Type

Operations: Present Not operating

Operations Planned

Location Chloride

Address 717 South San Pedro St.,
Los Angeles, California

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

BAY STATE

Au, Ag, Pb, Zn, Indium, Gallium

Mohave

8 - 7

R 18 W

Langlois Bros., 717 S. San Pedro, Los Angeles

'39

Number Claims, Title, etc. One and a fraction. Location and annual assessment

Description: Topog. & Geog.

Mine Workings: Amt. & Condition Three shallow shafts in good shape

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Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route Perfect. Two miles from Chloride.

Water Supply

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. Langlois Bros.
717 South San Pedro St.
Los Angeles,
California.

Signed..... J. G. Blackwell.

Exhibit Q

1.

R E P O R T

Upon the Property of the
HUGHES ARIZONA COPPER COMPANY.

-INTRODUCTION-

At the request of the officers and prospective purchasers of stock, I was asked to make an examination and report upon the property of the Hughes Arizona Copper Company.

I wish to make due acknowledgment for the courtesy extended to me by Mr. John B. Hughes, the President of the Company, and his help, in every possible way, in presenting all the facts, for my consideration, regarding the property.

Also, I am indebted to Mr. Churchill, Supt. and Mgr. of the Tennessee Mine and Mr. Shank, who had charge of the sampling and assaying of the ore bodies of the Towne Mine, an adjoining property to the Bay State Claim, the latter being a property of the Hughes Arizona Copper Company. These parties assisted me greatly in determining the continuity, size and value of the ore bodies of the district. Also, I wish to further acknowledge the assistance I received by making frequent references to Bulletin No. 397 of U.S. Geological Survey, being a report upon this particular district, prepared by Frank C. Schrader, Geologist in Charge. Also a paper by said author, read before the American Institute of Mining Engineers, and published by said Institute under date of November 1916.

-LOCATION-

The properties of this company are located in the Chloride Mining District, Mohave Co., Arizona, about 20 miles N.W. of Kingman.

-TITLE-

The titles to all these properties are possessory titles, founded upon discovery and location as evidenced by certificates of location, duly recorded in the Public records of said county. The Bay State Claim is now in course of patenting.

-GEOLOGY-

To the average investor the geology of the district is of but little importance, and to those who may be interested in the geological formation of the district, I would refer them to Bulletin No. 397 of the U.S. Geological Survey, prepared by Frank C. Schrader, Geologist in Charge. This is a public document and gives the description and formation and ore deposits of the district in minute detail.

-ALTITUDE-

The elevation of the district is approximately from 4000 to 6000 ft. above sea level.

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-CLIMATE-

The elevation of the district makes the climate ideal, and there is nothing to prevent continuous working throughout the whole year.

-TRANSPORTATION-

This district and the town of Chloride are reached by a branch of the A.T. & S. Fe R.R. from Kingman, 20 miles distant; also by auto stage and truck. The roads of the district are very good.

-POWER-

Steam, gas and electric power are used. I consider the cost of power not exorbitant, but quite reasonable, and which can be greatly cheapened by cooperation in purchasing in larger quantities.

-FUEL AND SUPPLIES-

Fuel and supplies of whatsoever nature, are shipped into the district. The prices are normal compared with other places, plus the freight.

-WATER-

Water is supplied by wells, springs and the development of the mines make sufficient water for mining and milling purposes.

-MINERALS-

The principal minerals mined in this district that have a commercial value, are gold, silver, lead, zinc and copper.

In the upper or oxidized zone, gold and silver values usually predominate, while in depth and especially below the water level the base ores, lead, zinc and copper predominate.

-MILLING-

The usual process used in separating the metals from their ores, is by concentration and oil flotation.

The concentrated product is then sold or shipped to the smelters or refineries for final treatment.

There are many mills operating in the district and two very large mills are nearing completion with an estimated total capacity of 500 tons daily. These mills are located near this property.

The buildings, machinery and workmanship of these mills are of the best, and the managers claim to have adopted their process to the ores of the district and have made sufficient tests to justify them in making this large expenditure in the construction of their mills, which will be used primarily for the treatment of custom ores. There is no unsolved problem regarding the metallurgy of the ores of this district. The solution has been demonstrated by many mills in the district and also in various other districts having similar ores.

3.
PROPERTIES-

The properties of this company consist of nine claims, totaling about 165 acres, and all are situated within a short distance of the town of Chloride, Mohave Co., Arizona, and are designated as follows:-

- Bay State, 20 acres.
- Princess and Prince Charles, 40 acres.
- Copper Hill Group, 40 acres.
- Trail Find, about 15 acres.
- Desert Wonder, about 15 acres.
- Mineral Rod, about 20 acres.
- Mineral Rod No. 2, about 15 acres.

This vast acreage of mineral claims are well located, but embrace too much territory to be developed by one company in any reasonable length of time. There are many large, well defined fissure veins upon all of these properties as evidenced by tunnels, shafts and open cuts. The greater part of the work done upon these properties has been prospective and not with a view to the development of any particular defined ore chute. To continue to develop all of these properties would scatter too much the forces of the company. Therefore, we have advised the selection of the most promising property, and the concentration of the entire forces of the company toward developing it into a productive mine.

I recommend the Bay State Property as being the most promising, and I further recommend that all work be concentrated on the No. 1 vein, or Midnight ore Chute of said claim, which I have more fully described later on in this report. As to all the other claims, I recommend that they be leased for a term of years, whereby they may be developed without cost to the company, and thereby become shipping mines.

-THE BAY STATE CLAIM-

This property adjoins and is surrounded by the largest and most promising ore bodies in the district. On the west it is joined by the Towne Mining Claim, which has produced a vast tonnage of high grade ore in the upper or oxidized zone. The 300 ft. level of the Towne vein is developed by three shafts, that show a continuous body of ore carrying high values in gold, silver, lead, zinc and copper. These ore chutes are of extraordinary length, width and value. On the north the Bay State is joined by the Midnight Claim. This Midnight property has the continuation of the Bay State vein. This vein traverses the Bay State Claim for a distance of 1200 ft., and then passes through the side line of the Bay State Claim and enters the Midnight Claim near which point a shaft has been sunk on the Midnight Claim 300 ft. in depth. On the 100 ft. level a cross-cut has been run to intersect the Bay State vein and it cuts it near the line of the Bay State Property. At this point it is 47 ft. wide, and carries, for its entire width, good high grade commercial values in gold, silver, lead, zinc and copper. This is a wonderful body of ore, and lies almost at the door of the side line of the Bay State property. This is at the north and west end of the Bay State Claim. Several hundred feet to the east and south this same vein has been opened up years ago by a shaft and a drift extending into this ore body from the east end of this ore chute. This shaft is located in a small ravine, and was lost by being filled with wash during a heavy rain storm. About 100 ft. to the west of the shaft, that was lost by the rain

storm, there has been sunk an incline shaft 45 ft. in depth and securely timbered. This shaft is on the eastern end of this great ore body.

A new plant of machinery is to be installed upon the 45 ft. incline shaft, and as soon as installed, the shaft will be sunk to the 100 ft. level and then drift west and open up this great body of ore, known as the Midnight Ore Chute. The Bay State Claim embraces 20 acres of extraordinary mineralized territory. This claim is 600 ft. wide, and 1500 ft. in length, and is traversed by six large veins. No. 1 vein is the North or Midnight vein. Near the center of the property, and between veins Nos. 3 and 4, there is a hoisting plant and a vertical shaft 100 ft. deep, with cross-cuts to the north and to the south. In extending the cross-cut, drift to the south 60 ft. further, it will cut No. 6 vein, not far from an indicated ore chute as shown by a 50 ft. shaft on this vein. Veins No. 5 and 6 are a continuation of the Towne Mine, which have been heretofore described. From the numerous openings on 5 and 6, I consider them second only to vein No. 1, or the Midnight Ore body. The prospect is so flattering on vein No. 6, that I predict it to become a producing mine with only a very nominal outlay for development.

-REMARKS-

After making a careful examination of the property, and inquiring into the business affairs of the company, and their proposed plan for the development of the property, I made certain recommendations as follows:-

1. Concentration of development work at a point where large bodies of ore can be made immediately available for the mills and smelters.

2. To protect titles by securing the United States patent on all claims before commencing to ship ore from same.

3. The re-adjustment and elimination of a greater part of the property indebtedness of the company.

4. The deeding to the company of certain additional claims.

5. The leasing of all idle property of the company.

The plans suggested for carrying these recommendations into execution were as follows:-

1. By beginning at once to develop the big Midnight ore body, on the north side, or Vein No. 1 of the Bay State Claim.

2. By making application for United States patent on the Bay State Claim.

3. By re-arrangement of the indebtedness for property, many thousands of dollars of liabilities were eliminated and a greater holding of property secured.

4. By deeding to the company additional properties that I consider quite important and very promising.

5. By interesting people with capital to lease each idle claim and commence to develop same, thereby adding value to the properties and increasing the revenue of the company by royalty received from ore shipments.

I have been informed by the President of the Company, that under the new adjustment of the indebtedness of the company, that there only remains an indebtedness against the property of \$10,500. which would be discharged at an early date from the sale of stock; and I was further informed that there was no other indebtedness of any kind whatsoever and that there was sufficient cash in the treasury to meet present operating expenses; and I was further informed that the recommendations made were to be immediately complied with in accordance with the plans herein stated.

-CONCLUSION-

In conclusion I wish to state that the properties of the company embrace a large acreage of good mineralized territory, favorably located, in a stable and productive mining district. The Bay State Claim in particular is a very promising property.

The company is officered and managed by honorable and competent business men who are desirous of making this mining enterprise a success by giving it a practical business management.

In my investigations, recommendations and advice, I have tried to protect the welfare of the company and at the same time, safeguard the interest of the prospective investor.

The promising outlook of the properties when developed, pursuant to the policy outlined, is deserving of the careful consideration of any investor.

Respectfully submitted,

Auburn, California.
June 26, 1917

(Signed) J. A. TEAGARDEN.