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STATEMENT
CONCERNING THE
MAMMOTH, BRITANNIC, TAMOR, BRITISH EMPIRE,
AND PRINCE OF WALES LODE MINING CLAIMS

By

W. I. Holmes

1935
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Boulder County
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COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

Report furnished by W. I. Holmes

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LOCATION:

The property is located in Sec. 18, T. 1 N., R. 71 W., in Sugar Loaf Mining District, near Wall Street, Boulder County, Colorado. The nearest railroad station is at Boulder, about 11 miles distant.

MINING PROPERTY:

This property includes the following lode mining claims:

The Mammoth Lode	U. S. Sur. No.	15046
Britannic Lode	" " "	15046
Tamor	" " "	15046
British Empire	" " "	15046
Prince of Wales	" " "	15046

NEIGHBORING PROPERTIES:

Melvina, reported production \$1,000,000 with ore running as high as \$33.00 per pound; Richmond, reported production \$1,000,000. Not working at this time. The Cream, Critic, R. R. Boy, Timberline, Ingram, Emancipation, Three Brothers, all of which are working at this time.

GEOLOGY:

The general belt lies in the belt of intrusive porphyry known to extend from Boulder County to the San Juan District. The district lies approximately between 8 and 9 thousand feet altitude and has a fairly mild climate. The general country rock is gneiss and schist intruded by massive and dyke porphyry. The ore minerals are contained in the deposits of pyrite, silverite and free gold in both live and oxidized ores. The gangue is what is known as porphretic quartz. The veins are of the true fissure type and are traceable for long distance. No faults are known.

The ores occur in true fissure veins, which are very consistent at depth and continuous in dip and strike. The values occur in silverite and silver, massive quartz.

EXISTING DEVELOPMENTS:

The mine is developed by Shaft which is to be continued thence drifts. Maps are not available of workings. The development is as follows:

Britannic Lode	Shaft 30 ft. plus open cuts.
Mammoth Lode	Shaft 55 ft. & drifting
Tamor Lode	Shaft 55 " & drifting
British Empire	Shaft 60 "
Prince of Wales	Shaft 50 " various open cuts, exposing veins.

Only one prominent level, Mammoth vein at 65 ft. level, drifting 150 ft. The workings are in fair state of repairs and may be entered for examination. All prominent veins are continuous, enabling drifting on at various levels and blocking out of ore.

PROPOSED DEVELOPMENT:

It is proposed and necessary to further develop this mine by shaft 7 drifts. It will necessitate the following equipment, etc.:

Road repair - Labor	\$ 300.00
1 Shaft House, etc.	300.00
Hoisting Equipment	430.00
Tractor Engine - Heavy duty	400.00
Compressor - 3 drills & hose	1,450.00
Gallows frame, etc. - shaft	300.00
Drifter & Stoppers - Heavy	630.00
Ore Bins, 2-30 ton Cap.	400.00
Tracking, Ore Cars, Piping	450.00
	<u>\$4,760.00</u>

Development should be made on the Tamor to cut the intersection with Britannic Lode, a distance of 150 ft.

The location of the property in relation to the contour of the mountain is such as to necessitate working the property by shaft.

It is confidently expected to cut and develop ore bodies along line of development in addition to the regular productive continuous vein. Good ore bodies frequently develop from small intersecting veins, not out-cropping on the surface.

The property has never been in production.

An estimate of future production at this time would be too indefinite for any dependence to be placed upon it. The ore bodies may be small shoots and may be in shoots 20 to 40 feet in width.

The grade of ore may be both large and profitable in the streak with heavy impregnation of minerals for some distance offering both high-grade smelting and milling ore. On the other hand, the values may be so equally dissiminated thru the entire vein as to constitute a high grade of milling ore.

The workings of this property are dry for the reason that other mines and tunnels lower on the mountain are draining this property. It is not expected that any pumping will be required until a much greater depth is reached than contemplated at present.

MARKETING:

The high-grade ores of sufficient grade to warrant profitable shipping will be sent to Smelter for sale. All ores running over \$14.00 will probably be shipped, depending upon concentration ratio.

Milling ores will be handled thru some Custom Mill nearby or sold to the Ore Buyers at Boulder. Probably the St. Joe Mining & Milling Co. This factor depending upon the best deal that can be made.

The cost of hauling to Boulder would not exceed \$1.00 per ton but under large output and contract may be less. The freight to Colorado City (near Colorado Springs, Colo.) will run from \$3.75 to \$6.00 depending upon the value of the ore. On ores concentrated the cost will be from \$2 to \$3 per ton. The Smelting & Reduction charge varying from \$3.50 to \$7.00, depending upon values and analysis. These ores are not complex.

WATER SUPPLY:

Water for general purposes is available. Sufficient water can be had near by for use of wet drilling.

POWER:

All power will be supplied from gasoline engine to be made available for operation.

COSTS:

The mining cost should not exceed \$2.50 per ton.
Sorting about 25¢ per ton when necessary

Sinking about \$14.00 per foot.
Drifting about \$10.00 per foot.
No treating of ore is contemplated.

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