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Item 14

Great Commonwealth Mine

AMERICAN

ZINC CO.,

WALTER G.

SWART FILES,

NEVADA

FOLDER 228

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CARL O. LINDBERG
ENGINEER OF MINES
505 UNION LEAGUE BUILDING
LOS ANGELES

October 21, 1916

A. K. McDaniel, Esq.
1218 Foster Building,
Denver, Colo.

My dear Mac:-

I enclose herewith an additional copy of my Tabulation
that should have accompanied my letter to you of October 14. I typed
these tabulation myself, and the fault is mine for not enclosing the
required number. Trust you will pardon the oversight.

The Extract of report on the Silver Standard Claims at
Hazelton, I did not consider of sufficient importance to send more
than the ^{one} copy I had made in Vancouver. That is the copy you have re-
ceived with my letter of October 14th.

If you will kindly refer to my letter of October 14 in
regard to the Hazelton District, you will find enclosed a letter from
Mr. W. G. Norrie, the manager for the Silver Standard, in which he makes
a short, but more concise statement of the present condition of the
Silver Standard mine, than is contained in Klessattel's report. However
should you require additional copies of his report, I shall be glad to
get them from Vancouver, if you will so advise me.

I like to call your attention to the enclosed Extract of
J. A. Beritschoof's report on the Great Commonwealth Mine at Washoe, Nev.
and also my letter to Mr. A.B.W.Hodges (former manager for the Granby
and Cerro de Pasco Copper Companies). Do you agree with my conclusions?

I am, with kind personal regards,

Sincerely yours,

Carl O. Lindberg

COL/LC

COPY

228

October 20, 1916

A. B. W. Hodges, Esq.
109 South Kingsley Drive,
Los Angeles, Cal.

Dear Mr. Hodges:-

I have gone over the papers, referring to The Great Commonwealth Mine at Washoe, Nevada, which you left with me yesterday. I return them herewith, feeling sure that it would not interest my principals.

Assuming that 100 tons of ore are broken and milled per day:

100 tons of 14% ore contains..... 14 tons zinc
75 per cent recovery by concentration..... 10.5 tons zinc

Assuming further that a 50 per cent zinc concentrate can be made, there would be produced daily 21 tons of 50% concentrate.

With the average St. Louis smelter market at \$4 per pound, 50 per cent concentrates usually command \$27.00 per ton, there, with a deduction of \$1.00 for each until below 50%, and no deduction for iron below 2 per cent. Assuming that the iron could be kept below 2 per cent in the concentrates, which appears doubtful, the best price, which could be obtained for the concentrates at one of the zinc smelters in the Okla-Miss "pig belt" would be..... \$27.00 per ton less 10 units of zinc @ \$1.00..... 10.00 " " leaving an net value of 50% concentrate at smelter.... \$27.00 " " freight to smelter, R.R., would be about.... \$8.00 provision for loss due to moisture..... 1.00 9.00 " "

Leaving an net value of 50% concentrate at Galena Siding \$18.00 " "

It is claimed by Mr. Berthoff that ore breaking and delivery to reduction works can be made for \$0.75 per ton. I doubt that, and am unwilling to go below \$2.50 per ton for development, mining and delivery to mill. The milling would probably consume another \$1.00 or \$1.50, making total charges against each ton of ore from \$3.50 to \$4.00. As five tons of ore would have to be mixed and milled to secure one ton of concentrate you will readily see that there is not enough in the proposition to warrant consideration on a commercial basis.

I return these for the papers, and thank you for bringing the matter to my attention.

Yours very truly,

ORIGINAL SIGNED
C. O. LINDBERG

C.O. to ALBERT.
OCT/15

EXTRACTS FROM REPORT ON THE GREAT COMMONWEALTH MINE AT

WADDELL, NEVADA

Report by J. A. Beritshoff

Location:- Near Galena Siding of Virginia & Truckee R.R., 15 miles south of Reno, Nevada.

Ownership:- Commonwealth Mining & Milling Company.

Claims:- One patented, called Union, and 19 full sized held by location. Ten acres covering mill site between mining property and the R.R.

Equipment:- Blacksmith shop, General Office, Assay Office, Boarding House, and Dormitory for employees.

Machinery:- 1 - 9"x15" Blake crusher
1 - " Dodge "
1 - 28"x14" Joplin Crushing Roll
2 - 28"x14" " Roughing Rolls
1 - 24"x14" Crushing Rolls (Joplin)
1 - 6 Compartment Joplin Jigs for roughing
2 - 5 " New Century Jigs for finishing
4 - Ford tables

Powers:- Water right on Galena Creek owned. Water conveyed by 6000 ft flume, head 250 feet. Approximately 140 H.P. could be developed at mill.

Development:- 5000 feet by levels and upraises on vein. Consists of Morgan Tunnel, Tunnels Nos 3 and 5.

Geology:- Vein dips 60°, strikes northeast. Varies in width from 8 to 20 feet. Quartzite country rock. Ore is intimate mixture of zinc blende, arsenopyrite with a small percentage of lead.

Ore in Sight:- No estimates above third level although considerable ore is exposed. Calculating 12 cu. ft. to the ton, there is 12,000 tons carrying 0.8% lead, 1.0 oz silver, 12% iron, 14% zinc, 50.4% insoluble between 4th and 5th levels. Vertically, also No.5 and No.8 chutes, 24,000 tons are estimated of an analysis 1.3 oz silver, 1.7% lead, 37.6% silica, 15.3% iron and 14.2% zinc.

Probable Ore:- A raise has been extended 92 feet upward from No. 4 level, which shows continuation of the ore, there is probably some 29,000 tons of ore available above No.4 level, having an average analysis of 1.2 oz. silver, 1.6% lead, 42.2% silica, 13.2% iron and 13.4% zinc. Estimating the ore west of No.8 raise and assuming it retains its width and value as exposed in the 100 foot vein, from No.5 level, there is an additional 15,000 tons of an average analysis: 1.2 oz. silver, 1.6% lead, 41.8% silica, 13.9% iron, and 13.4% zinc.

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Summary of Ore Reserves:- It is safe to consider that there are 60,000 tons of ore available in the mine which will average 1.2 oz silver, 1.5% lead, 41.8% silica, 14.0% iron, and 13.7% zinc.

Price asked:- \$500,000. distributed over two years.