

TN23  
.M56  
no. 923.  
Archive

July 17 1935

Col. C. Van Deventer,  
76 East Monroe St.  
Chicago, Illinois.  
Dear Sir,

The St. Louis Mine, U.S. Mineral Survey No. 12745 is located at Caribou, Boulder County, Colorado. It is in the N.  $\frac{1}{4}$  of Sec. 9 T. 1 S. R. 73 W. of the 6th P.M. Records in the office of the U.S. Supervisor of Surveys at Denver, show that this claim, containing 5.056 acres, was patented August 2, 1889. Patent No. 31381.

On July 12, 1935 in company with yourself, State Commissioner of Mines, Mr. John T. Joyce and others, I made a trip to this property, the particular object thereof being to check sample the 225 foot level of the St. Louis mine workings to find if there was a sufficient showing to consider the mine to be a commercial undertaking. I understand this 225 foot level has been sampled three or more times by various parties.

You have submitted a blue print assay map showing previous sampling and evidently prepared from a somewhat careful and comprehensive sampling of this 225 foot level. This map shows that 19 samples gave an average value of \$19.95. Six samples from this level, taken under my direction, show a value of \$12.54. However, the 19 samples show an average width of about 21 inches, while the 6 samples were taken over an average width of 43 inches. This indicates to me that there is much ore of a grade that can be shipped crude, - the remainder requiring milling and shipment as concentrates. It also warrants the conclusion that the average of \$19.95 across only 21 inches is substantially correct.

This project appears to be commercial and with proper equipment, most of which is on the ground, supplemented by efficient and economical management and adequately financed should, in my opinion, be a paying mine.

Sincerely,

# WALTER E. BURLINGAME

CHEMIST --- ASSAYER --- ENGINEER

DENVER, COLORADO

FOLIO 572

C Van Deventer

DATE July 13 1935

We Hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	SILICA PER CENT		VALUE PER TON
1 Face West Drift - 225' level	0.06	0.60	Vein	57 inches	oxide				\$ 2.56
2 45 ft. from face W. drift - 225 "	0.02	0.56	"	32	"	"			1.13
3 about 80' " " " " " "	0.31	1.40	"	36	"	"			11.93
4 " 100' " " " " " "	0.68	12.80	"	42	"	"			33.65
5 " 135' " " " " " "	0.35	1.55	"	48	"	"			13.44
6 General sample in slope	0.25	0.52	"	30 to 48	"	"			9.15
7 Concentrates found in mill	6.06	24.10	From flotation		cells				230.65

GOLD AT \$35 PER OUNCE      COPPER AT \_\_\_\_\_ PER UNIT

SILVER AT .77 PER OUNCE      ZINC AT \_\_\_\_\_ PER UNIT

LEAD AT \_\_\_\_\_ PER UNIT      \_\_\_\_\_

Charges \$ 7.00

WALTER E. BURLINGAME