

**-REPORT ON THE-
ERMONS MOUNTAIN MINING & MILLING COMPANY.**

GUNNISON COUNTY

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GOLDEN, COLORADO**

For the Year 1913

MINE MANAGER'S REPORT

PAGE 248

STATE BUREAU OF MINES

STATE OF COLORADO.

EMMONS MOUNTAIN MINING & MILLING CO.

LOCATION OF PROPERTY.

The company's property is located $2\frac{1}{2}$ miles N. W. of Crested Butte, Gunnison County, Colorado, in the Ruby Mining District, is 1500 feet from the D. & R. G. R. R. and the County wagon road, with ample facilities for dumps, mills, switches, etc.

PROPERTY.

The property consists of Five (5) Patented claims, one (1) Tunnel and Tunnel Site and Thirty-Eight (38) Lode claims.

DEVELOPMENT.

The Keystone Group is developed by three levels, No. 1, 200 feet, in length; No. 2, 300 feet. below No. 1, 700 feet in length; No. 3, 100 feet below No. 2, 800 feet in length and No. 4, now being driven, 150 feet below No. 3, thus giving the company 150 feet additional stopping ground throughout the entire property. All ore mined will be trammed out through No. 4, level, which is being constructed large enough for double tracks, to the mill which will be located at the portal of No. 4, level, thus making a gravity proposition in our operations from the time the ore is mined until it is milled and on board railroad cars. Levels No. 3 and 2 are connected by an uprise in ore 100 feet in length. There is a stop 50 feet above No. 2, level, from which about 800 tons of lead silver ore has been mined, sorted and shipped, this stop connects with No. 2, level by 1 man-hole, 3 mill-holes and 1 upraise. All the development work has been done in a miner like manner and there is a single track tram, with ore car, of 8-lb. rails laid on ties extending the entire length of both No. 2 and No. 3 levels and this, with the timbering, is in good repair.

ORE BODIES.

The ore bodies in the Keystone Mine have an average width of six feet and are heavy sulphides of lead, zinc, silver, iron and copper, are all in regular formation with well defined walls and the ore chute is 600 feet in length with the ore in the breast of the workings proving better as the levels are driven ahead into the mountain.

MILL TEST.

Results of Mill test on average sample Keystone ore taken from mine and delivered in person to American Zinc Ore Separating Company's plant at 1422 Blake Street, Denver, Colo., Oct. 1st, 1913, by Messrs. W. H. Grayson, E. C. Pauly and E. S. White, results computed from detailed test sheets of American Zinc Ore Separating Co., Oct. 15th, 1913;

Basis of Computation 1 Ton Crude Ore.

Assay of Crude Ore.

Au.	Ag.	Pb.	Cu.	Zn.	Fe.	Ins.
—	13.28	20.80	0.95	17.65	12.30	23.10

Results after separation by American Zinc Ore Separating Company's Process, in general use by the American Zinc, Lead & Smelting Company, showing commercial products recovered, per ton crude ore, and their value F. O. B. Mill of Emmons Mt. Mining & Milling Co., at Keystone Mine. Crested Butte, Colorado.

Lead-Silver product	Copper-Silver product	Zinc product	Zinc product	Combined tails	Recovered slimes
21.26%	15.25%	5.70%	32.86%	22.13%	1.25%
425 lbs.	305 lbs.	114 lbs.	656 lbs.	442 lbs.	25 lbs.
Value, \$12.79.	Value, \$5.42.	Value, \$.91.	Value, \$4.59.		

Total Gross Value per mine run ton F. O. B. Mill at Keystone Mine, \$23.71.

AVAILABLE TONNAGE FOR MILL.

There has been \$66,865.00 expended in developing this property and there is now, on the dumps and blocked out in the Keystone Mine and available for our mill 100,000 tons of ore, which will yield in mill concentrates of lead, silver and zinc, 63% of all ore mined and milled. This property ranks among the largest milling propositions of ore containing lead, silver and zinc, in the State of Colorado and has every facility for economical production.

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