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Item 4

UNITED STATES BUREAU OF MINES

PRELIMINARY EXAMINATION REPORTState Nevada County Elko Mineral Products Pb-AgName of property White Rock Mine (High Line)Owner W. C. Burns Address Idaho Falls, Idaho

Lessee or

Operator _____ Address _____

Location 19 claim in T. 44 N., R. 52 E., Edgemont Mining District, 4 miles east of small settlement of White Rock on U. S. Highway 11, between Elko and Owyhee, Nevada.

Sampling	Percent		Ounces		
	Pb	Zn	Au	Ag	
314	14.3	8.7	0.025	37.0	6 ft. cut across back of stope, 143 feet up.
315	8.1	3.6	0.01	17.9	Grab 20 ton reject pile, portal of tunnel.

History and production Present owner purchased some claims from Blewitt Bros. in 1922 and located others. 125 tons have been shipped average 18.4% Pb, 8.0 zinc, 40 Oz Ag, 0.02 Oz Au.

Type Deposit (Geology) Deposit consists of quartz vein mineralized with lead and zinc sulfides carrying appreciable silver as chlorides and small amounts of gold and copper. Some tungsten was found in east drift. Vein strikes N. 60° W. dips 49° S. is traced by outcrops on surface for 2,200 feet up to 10 to 12 feet thick. On east it is offset by small transverse faults. Mineralization occurs in irregular shoots adjacent to cross fractures country rocks are quartzites and limestones interbedded with thin sections of shale, strike E, and dip flatly to south. Several pegmatitic dikes cut formation, appear ~~to have various courses and no uniform trend.~~ Ore minerals are sphaerite, galena, corargyrite, and chalcopyrite.

Mine Workings: Seven small open cuts or shallow shafts have been excavated. Main workings comprise an 80 foot shaft driven in vein, a crosscut adit intersects vein at 526 feet from portal at 225 feet below outcrop, a 143 foot raise and 500 feet of drifts have been driven.

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