

0480 0067

147 La-1

ITEM 72

## UNITED STATES BUREAU OF MINES

PRELIMINARY EXAMINATION REPORTState Nevada County Lander Mineral Products Pb-Zn AgName of property O'Leary PropertyOwner Stanley F. O'Leary Address P. O. Box 30, Battle Mt., Nevada.

Lessee or

Operator \_\_\_\_\_ Address \_\_\_\_\_

Location 24 claims in Sec. 30, T. 32 N., R. 44 E. 9.4 miles southwest by road ofBattle Mt., Nevada.

Sampling		Percent			Ounces				Percent			Ounces		
No.	Ft.	Pb	Zn	Cu	Au	Ag	No.	Ft.	Pb	Zn	Cu	Au	Ag	
30	2.2	6.0	0.2	.05	.015	5.35	39	1.0	0.1	0.3	0.25	.010	0.40	
31	1.0	0.3	0.3	.05	.005	.060	40	2.5	0.1	0.1	0.03	.005	0.20	
32	0.6	24.2	24.8	1.44	.010	39.45	41	1.7	0.1	0.1	0.07	TR	0.10	
33	0.6	12.8	13.5	4.15	.020	31.00	42	1.6	0.1	0.1	0.13	TR	0.15	
34	Grab	0.2	0.2	0.13	TR	0.25	43	1.6	3.6	2.2	0.25	.020	9.15	
35	1.1	13.6	7.6	2.10	.035	33.25	44	1.0	3.4	1.3	0.07	.035	3.65	
History and production					XXXX		45	1.0	1.6	0.2	0.20	.010	2.55	
36	3.1	0.1	0.2	0.07	.020	0.55	46	1.5	0.1	1.1	0.07	.005	0.35	
37	1.0	43.2	20.5	0.50	.015	75.10	47	1.0	0.1	0.3	0.10	TR	0.20	
38	0.6	0.2	0.1	0.07	.020	1.00								

History and production: Smelter returns from past production ore on file at the mine office.

Type Deposit (Goeolgy) Country rock is composed principally of quartzite. A granitic rock is exposed 1/4 mile east of Buckingham shaft. Igneous intrusions cut the quartzite, grabbo dikes near Buckingham shaft, and quartz porhyry near Northland shaft. Ore veins strike N. 5° to 15° E. and are persistent, but ore shoots in the veins are small and irregular. A fault is believed present between Hardy and Northland shafts with south block moving east. In the Hardy shaft and connected drifts, main vein strikes N. 10° E. and dips 80° W. There are minor variations in strike and a roller fault on dip between 1st and 2nd level. Small gash veins cut the main vein. Principal minerals present in ore are galena, sphalerite, pyrite, chalcoppyrite and telrahidrite in a narrow band 2 - 14 inches of pure sulfides. In the Northland Mine, sulfides ore disseminated through a width of 18 inches and associated with quartz and calcite gangue, oxidized lead-zinc minerals present. Vein strikes NS. and dips 25 W. Faulting parallel to vein is apparent as footwall side of values is gouge and sheared material. Buckingham shaft workings are inaccessible. Maps reveal vein strikes N. 10 W. dips steeply W. width of milling grade ore about 5 feet. Minerals are galena, sphalcrite, pyrite, quartz and calcite. Ore shoots rake to N. dipping 55°. Vein is believed to be continuation of the Hardy.

Mine Workings: Buckingham shaft reported to be 850 feet deep with 2,700 feet of drifts above the 500 ft. level. Hardy shaft is 100 feet deep with 500 ft. of drifts and 175 feet of crosscuts. 75 feet of Northland shaft is above water and connected with a 200 ft. drift. Midland tunnel contains 450 ft. of workings.

111734

(For location of samples see map. Samples 30 to 42 incl. Hardy Mine, 43 to 47 incl. Northland Mine.)