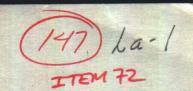
UNITED STATES BUREAU OF MINES



## PRELIMINARY EXAMINATION REPORT

State Nevada						Count	yIar	Lander Mineral Products Pb-Zn Ag						
Na	ame of p	ropert	y O'L	eary Pr	operty									
Ow	Owner Stanley F. O'Leary					Addre	ss P.	P. O. Box 30, Battle Mt., Nevada.					gee map	
Le	essee o	r												•
Or	Operator A					ess								
	ocation B <b>attle</b>			n Sec.	30, T.	32 N.	, R. 4	4 E. 9.	4 mile			t e		.)
S	ampling	impling Percent					Percent Ounces							
	No.	Ft.	Pb	Zn	Cu	Au	Ag	No.	Ft.	Pb	Zn	Cu	Au	Ag OP
	30	2.2	6.0	0.2	.05	-015	5 35	00	1.0	0.7	0.3	0.25	-070	0.40時
	TO THE RESERVE AND ADDRESS OF THE PARTY OF T		~~~		807		7077	39	760	COT	~~~	Car	OTO	Marie Control of the State of t
	31	1.0	0.3	The second secon	•05		.060	40	2.5			0.03	.005	0.20
	31	1.0	AND DESCRIPTION OF THE PARTY OF	The second secon	A STATE OF THE STA					0.1	0.1		.005	0.20
	32		0.3	0.3	•05	.005 .010	•060	40	2.5	0.1	0.1	0.03	•005 TR TR	0.20 m in 0.10 m in 0.15 m
	32 33	0.6 0.6	0.3 24.2 12.8	0.3 24.8 13.5	·05	•005 •010 •020	.060 39.45	40	2.5	0.1	0.1 0.1 0.1	0.03	•005 TR TR	0.20 m in 0.10 m in 0.15 m
3	32 33	0.6 0.6	0.3 24.2 12.8	0.3 24.8 13.5	•05 1•44 4•15	.005 .010 .020 TR	.060 39.45 31.00 0.25	40 41 42	2.5 1.7 1.6	0.1 0.1 0.1	0.1 0.1 0.1 2.2	0.03 0.07 0.13	•005 TR TR •020	0.20 Min 0.10 Min 0.15 Min 9.15 Min 9.15 Min
3	32 33	0.6 0.6	0.3 24.2 12.8	0.3 24.8 13.5	•05 1•44 4•15 0•13	.005 .010 .020 TR	.060 39.45 31.00	40 41 42 43	2.5 1.7 1.6 1.6	0.1 0.1 0.1 3.6 3.4	0.1 0.1 0.1 2.2 1.3	0.03 0.07 0.13 0.25 0.07	•005 TR TR •020 •035	0.20 mine 0.10 mine 9.15 ne 9.15 to
3	32 33 34 35	0.6 0.6 Grab 1.1	0.3 24.2 12.8	0.3 24.8 13.5	•05 1•44 4•15 0•13	.005 .010 .020 TR .035	.060 39.45 31.00 0.25 33.25	40 41 42 43 44	2.5 1.7 1.6 1.6 1.0	0.1 0.1 0.1 3.6 3.4 1.6	0.1 0.1 0.1 2.2 1.3	0.03 0.07 0.13 0.25 0.07	•005 TR TR •020 •035 •010	0.20 mine 0.10 mine 9.15 ne 9.15 to
New Year	32 33	0.6 0.6	0.3 24.2 12.8 0.2 13.6	0.3 24.8 13.5 0.2 7.6	•05 1•44 4•15 0•13 2•10	.005 .010 .020 TR .035 X020 .020	.060 39.45 31.00 0.25	40 41 42 43 44 45	2.5 1.7 1.6 1.6 1.0	0.1 0.1 0.1 3.6 3.4 1.6	0.1 0.1 0.1 2.2 1.3 0.2	0.03 0.07 0.13 0.25 0.07 0.20 0.07	.005 TR TR .020 .035 .010	0.20 and 0.10 dine 0.15 min 43 3.65. to 2.55

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. 50 to 150 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. 100 E. and dips 800 W. There are minor variations in strike and a roller fault on dip between 1st and 2nd level. Small sphalerite, pyrite, chalcopyrite 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 ETX 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 550. Vein is believed to be continuation XXX 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.

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