

Bosum Ore

Mill Test at C.M.S. Co. for Santiago.

Nov 7, 1946

001947

No. Mines 50633, C.R. 2514.

	%wt	Assays				Distribution			
		Pb	Zn	Sn	Ag	Pb	Zn	Sn	Ag
Pb Chm Conc.	8.0	67.2	8.4	.04	198.6	92.0	15.4	12.7	76.3
Pb " Tails	2.2	7.9	11.1	.03	34.0	2.9	5.5	2.4	3.6
Zn " Conc	5.0	1.5	53.9	.16	62.1	1.2	61.9	32.0	15.0
Zn " Tails	4.0	1.8	9.0	.01	14.1	1.2	8.3	1.6	2.7
Gravity Conc	4.5	Tr	0.7	.17	0.2	0.1	0.7	30.2	Tr
Rghr Tails	76.3	.20	.47	.007	0.6	2.6	8.2	21.1	2.4
Feed	100	5.85	4.35	.025	20.78	100.	100.	100	100

Above is result of one test

Screen: — $\frac{+65}{1.7}$ $\frac{+100}{7.9}$ $\frac{+150}{17.1}$ $\frac{+200}{27.5}$ $\frac{-200}{72.5}$ % Cum.

Reagents lbs/Ton

	BM	Pb	Zn	Total	
Na ₂ CO ₃	1.5	.5		2.0	
Na ₂ SiO ₃	.4			0.4	
Na.Cn	.20			.20	
Mix oil	.16	.12	.20	.48	(60% water gas tar 20% creosote) 20% cresylic acid
Z-9	.05	.03	.08	.16	
CuSO ₄ · 5H ₂ O			.80	.80	
CaO			.75	.75	
pH		9.4	9.6		
Time, mins.		101	7.		

Notes —

Better cleaning should give 70% Pb & no loss in recov.

High proportion of tin shows up in Zn Conc probably indicating stannite.

The gravity conc. made in test is largely siderite & barite.

Re cutting timber on any claim on which it is not used, even tho on same group.