

006548

TEST D22 - VANGORDA DT 14

PRODUCT	WEIGHT		ASSAYS				% DISTRIBUTION				METAL UNITS			
	g	%	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu
Pb Rgh Conc	48.63	2.45	13.9	3.38	14.9	2.96	3.01	2.11	2.19	3.17	34.06	8.28	36.51	7.25
Pb Scav Conc	67.68	3.41	15.5	4.60	14.7	3.21	4.66	4.00	3.00	4.79	52.86	15.69	50.13	10.95
Zn Rgh Conc	39.16	1.97	12.5	3.02	15.6	2.64	2.17	1.52	1.84	2.28	24.63	5.95	30.73	5.20
Zn Scav Conc	88.39	4.45	12.8	3.63	15.6	2.72	5.03	4.11	4.16	5.30	56.96	16.15	69.42	12.10
Final Tails	1741.48	87.72	11.0	3.95	16.9	2.20	85.13	88.26	88.81	84.46	964.92	346.49	1482.47	192.98
Calc Head Feed	1985.34	100.00	11.33	3.93	16.69	2.28	100.00	100.00	100.00	100.00	1133.43	392.56	1669.26	228.48

FLOT. TEST ON WASHED ORE (STAGE I = 5' +  
 STAGE II = 30' - with 100% NaCN)  
 ORE pH = 4.3 - 4.6  
 High Na<sub>2</sub>CO<sub>3</sub> consumption (388) = 19 kg/t  
 High Lime consumption (187) = 9 kg/t  
 Conclusion: Washing did not produce good flotation  
 Low weight recovery.

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PRODUCT	WEIGHT		ASSAYS				% DISTRIBUTION				METAL UNITS			
	g	%	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu
Pb Rgh Conc	54.41	2.59	27.8	11.80	7.27	2.52	4.70	3.78	1.57	4.88	72.00	30.56	18.83	6.53
Pb Scav Conc	110.45	5.26	29.9	16.10	6.57	3.10	10.27	10.46	2.89	12.20	157.27	84.69	34.56	16.31
Zn Rgh Conc	78.76	3.75	15.2	30.30	6.97	1.31	3.72	14.04	2.18	3.67	57.00	113.63	26.14	4.91
Zn Scav Conc	220.48	10.50	19.2	28.80	7.07	1.71	13.16	37.36	6.20	13.43	201.60	302.40	74.24	17.96
Final Tails	1635.7	77.90	13.4	3.57	13.4	1.13	68.15	34.36	87.16	65.82	1043.86	278.10	1043.86	88.03
Calc Head Feed	2099.80	100.00	15.32	8.09	11.98	1.34	100.00	100.00	100.00	100.00	1531.73	809.38	1197.63	133.74

NaCN/ZnO = 311 [400 g/t]  
 NaCN - 300 g/t + ZnO - 100 g/t  
 low Pb conc. weight. Therefore no cleaner float  
 low Pb recovery

D24 - Trans. Sect. Test 3/11/90

TEST D25

PRODUCT	WEIGHT		ASSAYS				% DISTRIBUTION				METAL UNITS			
	g	%	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu
Pb Conc	8.97	0.48	25.0	35.2	4.68	4.89	2.96	4.38	0.11	3.55	12.00	16.90	2.25	2.35
Pb 3rd Cl Tls	18.50	0.98	29.3	29.3	4.78	4.99	7.09	7.43	0.24	7.38	28.71	28.71	4.68	4.89
Pb 2nd Cl Tls	25.17	1.33	30.9	26.7	5.97	4.82	10.14	9.19	0.40	9.68	41.10	35.51	7.94	6.41
Pb 1st Cl Tls	91.93	4.87	21.3	18.8	12.9	3.02	25.60	23.71	3.18	22.21	103.73	91.56	62.82	14.71
Zn Rgh Conc	162.16	8.60	12.3	19.3	19.0	2.62	26.11	42.97	8.28	34.01	105.78	165.98	163.40	22.53
Zn Scav Conc	143.07	7.58	3.87	2.36	35.6	1.02	7.24	4.63	13.68	11.67	29.33	17.89	269.85	7.73
Final Tails	1436.79	76.16	1.11	0.39	19.2	0.10	20.86	7.69	74.11	11.50	84.54	29.70	1462.27	7.62
Calc Head Feed	1886.59	100.00	4.05	3.86	19.73	0.66	100.00	100.00	100.00	100.00	405.19	386.25	1973.21	66.24