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From L.P. Taggart

007128

Date January 22, 1982

Subject VANGORDA PLATEAU METALLURGICAL TESTWORK

Please find attached your copy of the report "Flotation Response of Vangorda Ore - Detailed Testwork", January 14, 1982.

This report describes the phase of the metallurgical test program on Vangorda ores that was carried out after the initial pre-AFE program. The metallurgical performance of Vangorda BCD ore type is examined in this work in addition to the 4G, 4E and 4A species.

The table below serves to compare the projected metallurgical performances based on this most recent testwork with those included in the original Vangorda Plateau A.F.E.

Ore Type	Source of Data	Concen.	Assays				Distribution			
			Pb%	Zn%	Au*	Ag*	Pb%	Zn%	Au%	Ag%
4G	AFE 1982	lead	53	-	6.0	650	84	-	40	65
			55	-	2.0	800	84	-	45	75
4G	AFE 1982	zinc	-	55	-	-	-	80	-	-
			-	52	0.5	65	-	85	-	-
4E	AFE 1982	lead	49	-	1.0	480	77	-	50	50
			50	-	5.5	485	78	-	40	50
4E	AFE 1982	zinc	-	51	-	-	-	72	-	-
			-	50	1.9	65	-	82	-	-

* gms/tonne

Ore Type	Source of Data	Concen.	Assays				Distribution			
			Pb%	Zn%	Au	Ag	Pb%	Zn%	Au%	Ag%
4A	AFE 1982	lead	48	-	2.4	600	81	-	15	55
			45	-	3.0	500	83	-	25	65
4A	AFE 1982	zinc	-	53	-	-	-	79	-	-
			-	51	0.8	45	-	83	-	-
BCD	1982 1982	lead	51	-	8.9	580	86	-	35	60
		zinc	-	49	4.5	33	-	83	-	-

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There are no major unfavourable discrepancies noted here with the possible exception of the 4E zinc metallurgy. Obviously the differences in sample and feed grades will have some influence on the reported metallurgical data.

The preliminary test program to investigate the flotation response of Vangorda ores obtained from samples taken from rotary drill cuttings east of Section 12 East is now complete and a report is expected shortly.

Similarly a report will be issued in the near future covering additional flotation testwork conducted on samples of Grum core.

Samples of the DY cores are now being composited and testwork will be commenced shortly.



L.P. Taggart

LPT/mw

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