

Guy V. Martin

METALLURGICAL ENGINEER

915 E. Central Ave.

Albuquerque, N. M.

May 9, 1935

Dr. J. J. de Praslin
Albuquerque, N.M.

Dear Sir:

In accordance with your request of this date, I am summarizing herewith certain estimated figures covering the rebuilding of your present milling plant, located at Bland, N.Mex., to give approximately a 50 ton per day capacity by flotation treatment. It is understood that these figures are based on general practice, and the assumption that the Bland ore will not present unusual difficulties, and also without my personal study of the present mill.

Secondary crusher	\$ 800.00	
Flotation unit, 14 cells	5000.00	
Conditioning unit	500.00	
Oliver filter, complete	1200.00	
Wilfley table	450.00	
Diesel power unit, Caterpillar Trac. Co. 95 BHP continuous, 130 BHP max. F.O.B. Peoria, Ill.	<u>3950.00</u>	\$11,900.00
Cutting down present mills (your est)	800.00	
Concrete work	1000.00	
Timber & lumber to rebuild trestle	1000.00	
Misc. tools, minor items of equip.	750.00	
Air receiver	500.00	
Additional air drills	1000.00	
Grinding balls, initial load	<u>600.00</u>	5,650.00
Common Labor, 60 days	3000.00	
Mill Supt. if on regular duty	600.00	
Engineering	500.00	
Ore testing	<u>200.00</u>	4,300.00
Freight, estimated		<u>1,000.00</u>
Total		\$ 22,850.00

Very truly yours,

(Signed)

Guy V. Martin

(Copy)

GUY V. MARTIN
Metallurgical Engineer

ASSAY CERTIFICATE

Albuquerque, N.M.
Aug. - Sept. 1934.

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DESCRIPTION	L.B. NO.	GA. PER 2000 LBS Gold	SILVER	VALE PER TON
Iron King (Small Chunk)	1025	1.11	13.00	\$ 48.52
Iron King (1-Cut, Vein 30°)	1119	.29	51.70	42.32
Crown Point - White Quartz surface	1237	.36	9.28	23.39
Iron King, 3 feet across Vein	1239	3.99	794.33	631.99
Iron King Chunk	1308	1.18	130.43	123.42
Iron King H.C. 8'	1307	1.21	107.25	111.21
Iron King Mine	1303	.26	7.74	14.07
Iron King Gauge	1202	.38	10.12	19.22
Washington Top, Dump - Low Grade	1154	.20	8.06	12.16
Samy South - Fair	1163	.14	24.12	20.33
Washington, lower #2 Dump - Low Grade	1166	.04	2.20	2.70
Washington, Boulder #1, Dump - Low Grade	1167	.18	12.76	17.91
Washington Mine, Dump - General Average	1163	.32	23.70	28.00
Washington Fishback Dump - Low Grade	1169	.11	8.23	12.60
Washington Boulders #2, Dump - Low Grade	1170	.07	6.43	6.32
Iron King Chute, General Average,	1171	.35	13.79	22.42
Iron King H.C. Solid across Vein	1172	.17	23.33	20.78
Iron King Gauge Between Ore Boulders	1173	.31	3.82	9.28
Washington Top (Dump, Low Grade)	1128	.17	11.17	13.15
Washington Middle (Dump, Low Grade)	1129	.24	20.30	21.49
Washington Bottom (Dump, Low Grade)	1130	.31	13.69	19.51
Narrow Gauge Outcrop	712	.26	10.30	12.56
Iron King, A Loyal	717	.64	28.98	60.40

(Signed) Guy A. Martin
Assayer.

(copy)

Chafter, Texas
August 18th, 1924.

Dr. J. J. de Praclin
Albuquerque, N.M.

Dear Dr. de Praclin

There are several reasons to account for the operations of the Corsak Mining Company not having been as successful as they should have been. In the first place, we had a lot of power trouble, and this caused frequent stopping of the mill and a consequent upset of operations. Our stamps and pebble mills were a continuous source of grief and very inefficient. Our agitation was good and decantation fair, but we should have had a filter over which to pass the tailings before discharging them, for the dissolved values going out with them were high. We had no way of catching the frequent spills and consequently a large loss went down the creek from this source. During the winter months, our "open-air" water line was a continuous source of grief.

Another cause of inefficient operation was the fact that we never had a uniform mill feed. This for the reason that practically no development work was carried on and the ore was milled as fast as mined. We were never able to maintain our rated tonnage, for one reason or another, and this caused high milling costs.

Had we had dependable power, a properly equipped mill, and sufficient ore in reserve to maintain a uniform mill feed and rated tonnage, there is no doubt but that the Corsak Mining Company would have made money on their investment, for the ore is very amenable to cyanidation.

I trust this is the information you require.

Yours very truly,

(Signed)

S. D. Howell

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GUY V. MARTIN
METALLURGICAL ENGINEER
ALBUQUERQUE, NEW MEX.

August 8, 1934.

FOR - J. J. de Pralin
ADDRESS - Albuquerque, N.M.

DESCRIPTION	LAB. NO.	OZ. PER 2000 Pounds		VALUE
		GOLD	SILVER	
Iron King (Small Chunk)	1095	1.11	15.00	\$ 43.52
Iron King (X-cut Vein 30')	1119	.29	33.70	42.32
Washington Top (Dump, Low Grade)	1128	.17	11.17	13.15
Washington Middle (Dump, Low Grade)	1129	.24	30.30	21.49
Washington Bottom (Dump, Low Grade)	1130	.31	13.89	19.21

(Signed)

Guy V. Martin
Assayer

(COPY)

Guy V. Martin
Metallurgical Engineer
Albuquerque, N.M.

April 18, 1934

FOR - J. J. de Pralin
ADDRESS - Albuquerque, New Mexico.

DESCRIPTION	LAB. NO.	OZ.		VALUE
		GOLD	SILVER	
Harrow Gauge Ontarop	716	.36	10.80	\$ 19.56
Iron King, A. Level	717	.64	58.93	60.40

(Signed)

Guy V. Martin
Assayer.