



**U. S. Steel
Mining Co., Inc.**

a Subsidiary of United States Steel Corporation

P.O. BOX AE
PAONIA, COLORADO 81428
303/527-4816

WESTERN DISTRICT

April 18, 1985

*ACT/007/012
#2*

State of Utah
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED

APR 22 1985

**DIVISION OF OIL
GAS & MINING**

ATTN: L. P. Braxton
Administrator
Mineral Resource Development and
Reclamation Program

Dear Mr. Braxton:

The chemical analysis for the coal seam at Somerset Mine has been revised per your request and is attached.

Sincerely,
G. H. Sides

G. H. Sides
General Manager

GHS/kb

Enclosure

cc: L. King
B. A. Filas
V. R. Watts
EC File

COAL SAMPLE ANALYSIS

Mine: Somerset Mine
Coal Seam: B-2
Type of Sample: Composite Coal Sample 12/6 - 12/13/84
Taken at Wellington Coal Cleaning Plant
Analyzed by: Ford Chemical Laboratory
Certificate of Analysis 85-005027

RESULTS

Acidity as CaCo3 PPM	<.10
Alkalinity as CaCO3 PPM	11,400
Aluminum as Al PPM SM303C	66.000
Arsenic as As Tot. PPM Sm304	.027
Barium as Ba (Tot) PPM SM303C	5.60
Boron as B PPM	2.160
Cadmium as Cd Tot. PPM SM304	.020
Chromium as Cr Tot. PPM SM303A	<.001
Conductivity umhos/cm SM205	410
Copper as Cu (Tot) PPM SMS03	.002
Iron as Fe (Tot) PPM SM303A	1.90
Lead, Pb (Tot) PPM SM303A	1.158
Manganese Mn Tot. PPM SM303A	.20
Marcasite %	.01
Mercury as Hs PPM SM320A	<.0002
Molybdenum as Mo PPM SM303C	.05
Nickel as Ni (Tot) PPM SM303A	.10
Organic Sulfur % ASTM D2492	.30
Pyritic Sulfur %	.130
Selenium as Se Tot PPM SM304	<.001
Total Combustable Solids %	85.3
Total Dis. Solids mg/l SM209B	268
Zinc as Zn (Tot) PPM SM303A	.436
pH Units SM423	9.50