File ACT/007/016

0051

Beaver Creek Coal Company
P. O. Box AU
Price, Utah 84501
Telephone 801 637-5050

To Steve

January 20, 1983

Mr. James W. Smith, Jr.
Coordinator of Mined Land Development
Utah Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

#3

JIM
JAN 24 1983

Re: Gordon Creek No. 2 Mine
ACT/007/016
Minor Modification for
Waste Rock Storage

Dear Mr. Smith:

Enclosed are five copies each of the analyses and sample locations for the waste rock disposal area. Please add these to the plans submitted to you on January 3, 1983. It is our hope these will complete our submission and allow for a timely approval of the modification.

If you have any questions or need any futher information, please let me know.

Respectfully,

BEAVER CREEK COAL COMPANY

Dan W. Guy

Dan W. Guy
Manager of Permitting and Compliance

DWG/mp
cc: R.D. Robison
S. Raymond
T. Leonard
B. Costello/DAT 1729
File #4-3-2M

RECEIVED
JAN 21 1983
DIVISION OF
OIL, GAS & MINING

Beaver Creek Coal Company **Internal Correspondence**

Date: January 18, 1983

Subject: Chemical Analyses of Waste Rock Material

From/Location: A.R. Papp

To/Location: D.W. Guy
S.M. Raymond

UMC 817.71 (a) (1)

The chemical analyses and sample locations of the waste rock material are attached. As expected, these analyses show no toxic or acid potentials for the waste materials. In addition, the trace element analyses show extremely low values. It is perceived that leachate or runoff from the waste area will not degrade the hydrological nature of the area.

A.R. Papp

A.R. Papp

ARP/gs

cc: R.D. Robison
J.F. Kohler DAT 1950
T.M. Leonard

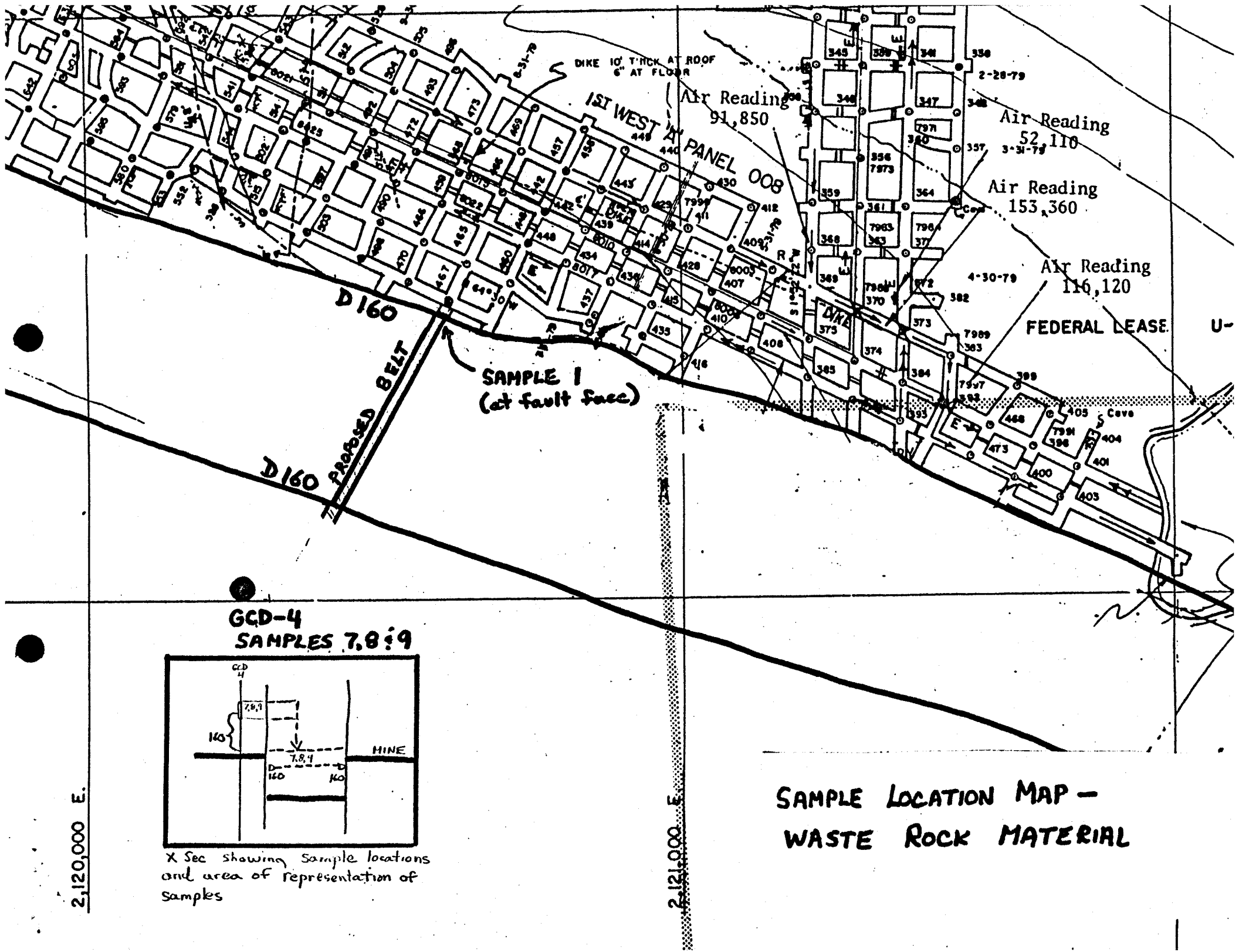
CAMP DRESSER & McKEE INC.

REPORT OF ANALYSIS

Date Samples Rec'd 1-3-83

Lab Designation	8788-15524-9-1	8788-15524-9-7	8788-15524-9-8	8788-15524-9-9
Sponsor Designation	Sample 1 No. 2 Mine - Spad 460 Sampled 12-27-82 Interbedded SS and SH located at fault face	Sample 7 Core Hole GCD-4 193-194 depth Clay SH	Sample 8 Core Hole GCD-4 178-179 depth SLTST	Sample 9 Core Hole GCD-4 164-165 depth SS
Determination				
$CaCO_3$ Equivalent, %	6.3	4.5	0.5	11
Total Sulfur, %	0.16	0.21	0.05	0.10
Pyritic Sulfur, %	0.06	0.07	<0.01	0.01
Acid-Base Potential*, ± tons of $CaCO_3$ Equivalent/1000 tons of dry material	61	43	5.0	110
Clay Content, %	12	35	12	5
Arsenic - Hot Water Extractable, ppm	-	0.02	<0.01	<0.01
Selenium - Hot Water Extractable, ppm	-	0.22	<0.01	0.01
Boron - Hot Water Extractable, ppm	-	0.5	0.3	<0.2
Lead - DTPA, ppm	-	6.4	7.4	1.0
Molybdenum - $(NH_4)_2CO_3$, ppm	-	0.56	0.02	0.05

*Acid-Base Potential detrmined by using Pyritic Sulfur as the Potential Acidity. Pyritic Sulfur determined as per Smith et al, Field and Laboratory Methods Applicable to Overburden and Minespoils, March 1978, EPA-600/2-78-054.


DIKE 10' THICK AT ROOF
6" AT FLOOR
1ST WEST 'A' PANEL 008
Air Reading
91,850
Air Reading
52,110
Air Reading
153,360
Air Reading
116,120
FEDERAL LEASE
D160
D160 PROPOSED BELT
SAMPLE 1
(at fault face)
GCD-4
SAMPLES 7,8 & 9
HINE
X Sec showing sample locations
and area of representation of
samples
2,120,000 E.
2,121,000 E.
SAMPLE LOCATION MAP -
WASTE ROCK MATERIAL