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**SOLDIER CREEK COAL CO.**

Telephone (801) 637-6360

P.O. Box I  
Price, Utah 84501

**RECEIVED**

NOV 02 1992

DIVISION OF  
OIL GAS & MINING

October 30, 1992

Ms. Priscilla Burton  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: Banning Test Plots-Soil Samples  
ACT/007/034

Dear Ms. Burton:

You have inquired about the status of the soil samples for our new test plot at Banning. I have enclosed a copy of these results as per your request. Mr. Johnny Pappas stated that these results had previously been sent to the Division.

If you have further questions, please let us know.

Sincerely,

SOLDIER CREEK COAL COMPANY



J. T. Paluso  
Chief Engineer

Banning → ACT/007/034  
Folder #2  
(Also placed in App 7.0  
of MRP)

**iml**  
Inter-Mountain  
Laboratories, Inc.

**RECEIVED**

NOV 02 1992

DIVISION OF  
OIL, GAS & MINING

2506 West Main Street  
Farmington, New Mexico 87401  
Tel. (505) 326-4737

December 12, 1991

Soldier Creek Coal Company  
P.O. Box I  
Price, Utah 84501

Attn: John Pappas

Dear Mr. Pappas:

Enclosed are the results of the analysis on the four samples we received November 22, 1991. The samples were analyzed for the parameters indicated from the Utah Department of Natural Resources "Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining," April, 1988 as well as the extractable metals from the procedure accompanying the samples.

If you have any questions or we can be of further service, please call at your convenience. Thank you.

Sincerely,

*Mary Stepp*  
Mary Stepp  
Mining Soils

Enc.

xc: File



INTER-MOUNTAIN LABORATORIES, INC.

Invoice

02376

2506 W. Main Street
Farmington, New Mexico 87401
Telephone (505) 326-4737

CLIENT: Soldier Creek Coal Company
P.O. Box I
Price, Utah 84501

Payment due within 30 days after December 12, 1991
Month, Day, Year

SCHEDULE OF SERVICES PERFORMED

Table with 7 columns: Number of Samples, Type, Unit price, Identification, Date Rec'd., Job Number, Total Price. Rows include Soil Samples (500.00) and DTPA metals-Cu, Fe, Mn, Zn (112.00).

Table with 5 columns: Professional Services, Number of Hours, Rate, Job Number, Total Price.

Table with 6 columns: Cost Item, Receipt Number, Actual Cost, 15% Fee, Job Number, Costs of Services.

Please Pay

Invoice Total \$ 612.00

NOTE: Balances unpaid after due date are subject to a late payment charge of 1.5% per month (18% per year).



Inter-Mountain Laboratories, Inc.

2506 West Main Street

Farmington, New Mexico 87401

Tel. (505) 326-4737

SOLDIER CREEK COAL COMPANY  
PRICE, UTAH

LOCATION: BANNING

DATE REPORTED: December 12, 1991

Page 1 of

Lab No.	Location	Depths	pH	EC µmhos/cm @ 25°C	Satur- ation %	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Coarse Fragments %	Sand %	Silt %	Clay %	Texture
14832	#1	0-6	8.5	20.7	38.7	24.1	42.6	205.	35.5	10.0	38.5	43.7	17.8	LOAM
14833	#2	0-6	8.0	8.27	30.5	21.5	14.3	54.6	12.9	24.3	56.7	32.4	10.9	SANDY LOAM
14834	#3	6-12	8.5	22.1	43.7	20.9	44.3	227.	39.8	1.4	34.0	45.1	20.9	LOAM
14835	#4 SW CORNER	6-12	8.2	12.9	34.7	20.6	42.4	113.	20.1	19.5	50.4	36.9	12.7	LOAM



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Lab No.	Location	Depths	P ppm	K ppm	Copper ppm	Nitrate- Nitrogen ppm	Boron ppm	Iron ppm	Manganese ppm	Zinc ppm
14832	#1	0-6	7.26	540.	1.00	12.5	3.64	5.16	4.22	0.45
14833	#2	0-6	5.59	312.	0.59	8.49	2.92	3.20	2.34	0.41
14834	#3	6-12	2.72	343.	1.14	10.5	2.72	4.54	1.64	0.30
14835	#4 SW CORNER	6-12	2.66	191.	0.99	8.33	3.38	4.00	2.28	0.43



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Lab No.	Location	Depths	Avail Na meq/100g	Exch Na meq/100g	CEC meq/100g	ESP	Bulk Density *	Water Retention Difference in/in*	1/3 bar	15 bar
14832	#1	0-6	11.5	3.56	17.7	20.1	1.7	0.2	18.0	7.6
14833	#2	0-6	3.43	1.76	13.0	13.6	1.6	0.1	13.6	7.2
14834	#3	6-12	14.9	4.98	14.9	33.5	1.8	0.1	17.9	11.2
14835	#4 SW CORNER	6-12	6.48	2.56	12.6	20.2	1.9	0.1	15.5	8.8

\*Air dry bulk density was substituted for 1/3 bar bulk density in calculations.

Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage, Exch= Exchangeable, Avail= Available