Inter-Mountain Laboratories, Inc.
1673 Terra Avenue, Sheridan, Wyoming 82801
(307) 672-8945

Soil Analysis Report

Canyon Fuel Company, LLC.
397 South 800 West
Salina, UT 84654

Report ID: S1009360001

Project: Sufco
Date Received: 9/14/2010

Date Reported: 10/7/2010
Work Order: S1009360

Lab ID	Sample ID	pH	Saturation	Electrical Conductivity	PE Calcium	PE Magnesium	PE Sodium	SAR	PE Alkalinity	Available Selenium	Available Boron
		s.u.	%	dS/m	meq/L	meq/L	meq/L		meq/L	ppm	ppm
S1009360-001	3rd Quarter	7.5	57.5	4.06	18.9	14.2	16.7	4.11	3.00	<0.02	5.45

Received
OCT 18 2010
Canyon Fuel Company
SUFCO Mine

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H20Sol= water soluble,AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate
Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neutral. Pot.= Neutralization Potential
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor

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Lab ID	Sample ID	Total Sulfur %	T.S. AB t/1000t	Neutral. Potential t/1000t	T.S. ABP t/1000t	Sulfate Sulfur %	Pyritic Sulfur %	Organic Sulfur %	PyriticS AB t/1000t	PyriticS ABP t/1000t
S1009360-001	3rd Quarter	0.36	11.3	134	123	<0.01	0.10	0.26	3.12	131

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Reviewed by: Karen A Secor
Karen Secor, Soil Lab Supervisor

Canyon Fuel
Company, LLC.
Sufco Mine
A Subsidiary of Arch Western Bituminous Group, LLC.

Michael L. Davis
Sr. Environmental Engineer
597 South SR 24
Salina, UT 84654
(435) 286-4421 - Office
(435) 286-4499 - Fax

September 9, 2010

Received
OCT 18 2010
Canyon Fuel Company
SUFCO Mine

Intermountain Labs, Inc.
1633 Terra Ave.
PO Box 661
Sheridan, WY 82801

Dear Lab:

Enclosed is a quarterly mine waste rock disposal site sample for Canyon Fuel Company – Sufco Mine. Our Purchase Order number is **SU14ZZ-001** to perform toxicity, selenium and boron analysis on this mine waste rock sample.

If you have any question please give me a call at (435) 286-4421.

Sincerely,
CANYON FUEL COMPANY, LLC
SUFCO Mine
Mike Davis
Michael L. Davis,
Sr. Environmental Engineer

Encl.

Samp ID = 3rd Qtr 9/10/10

Rec'd 9/14/10
Karen A Secor
S1009360