



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

Report ID: S1103151001

Project: Sufco
Date Received: 3/9/2011

Date Reported: 4/7/2011
Work Order: S1103151

Lab ID	Sample ID	pH	Saturation	Electrical	PE	PE	PE	SAR	PE	Selenium	Boron
		s.u.	%	Conductivity	Calcium	Magnesium	Sodium		Alkalinity	ppm	ppm
				dS/m	meq/L	meq/L	meq/L		meq/L		
S1103151-001	1st Quarter 2011	7.1	54.4	6.46	27.1	15.1	44.1	9.59	1.50	0.03	1.98

Received

APR 14 2011

Canyon Fuel Company
SUFSCO Mine

These results apply only to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= 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	Neutral. Potential	T.S. ABP	Sulfate Sulfur	Pyritic Sulfur	Organic Sulfur	PyriticS AB	PyriticS ABP
		%	t/1000t	t/1000t	t/1000t	%	%	%	t/1000t	t/1000t
S1103151-001	1st Quarter 2011	0.38	11.9	75.6	63.7	0.06	0.05	0.27	1.58	74.0

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