APPENDIX 2-8

LABORATORY ANALYSIS
NATIVE FILL AND IMPORTED FILL

INCORPORATED
APR 0 2 2003
DIV OF OIL GAS & MINING

4/05/2003

APPENDIX 2-8

LABORATORY ANALYSIS
NATIVE FILL AND IMPORTED FILL

INCORPORATED
APR 0 2 2003
DIV OF OIL GAS & MINING

11/22/02

Table 1: Laboratory Results from Soil Sampling at the Crandall Canyon Mine: South Portal (Dec. 2002)

Parameter	Results	Criteria
Texture	Sandy Loam	Good
Total Organic Carbon (%)	<0.1	Good
Acid Base Potential (Tot. S ABP t/1000t)	207	Acceptable
pH	7.2	Good
Saturation %	23.1	Poor
Electrical Conductivity (mmhos/cm @ 25°C)	5.25	Fair
Available Water Capacity (in./in.)	0.04+	Poor to Fair
Sodium Adsorption Ratio	3.96	Good
Boron (ppm)	0.28	Acceptable
Selenium (ppm)	0.08	Acceptable
Soil sampling done by West Ridge Resources, East Carbon, UT Lab work & parameters requested by West Ridge Resources, East Carbon, UT Laboratory analyses by Inter-Mountain Laboratories, Inc., Sheridan, WY Analyses interpretations by Mt. Nebo Scientific, Inc., Springville, UT		

INCORPORATED
APR 0 2 2003
DIV OF OIL GAS & MINING

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

West Ridge Resources, Inc.
794 North "C" Canyon Road
East Carbon, UT 84520

Client Project ID: Topsoil
Date Received: 12/17/02

Set #0102S25050
Report Date: 12/30/02

Lab Id	Sample Id	pH	Saturation	EC @ 25°C	Calcium	Magnesium	Sodium	SAR
		s.u.	%	mmhos/cm	meq/L	meq/L	meq/L	
0102S25050	So. Portals Fill	7.2	23.1	5.25	17.0	31.4	19.5	3.96
~~0102S25051~~	~~Highwall Fill~~	~~7.1~~	~~34.7~~	~~4.10~~	~~5.07~~	~~5.11~~	~~2.11~~	~~3.99~~

INCORPORATED
APR 0 2 2003
DIV OF OIL GAS & MINING

These results only apply 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, Neut. Pot.= Neutralization Potential
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By: _____
Joey Sheeley, Soils Lab Supervisor

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

West Ridge Resources, Inc.
794 North "C" Canyon Road
East Carbon, UT 84520

Client Project ID: Topsoil
Date Received: 12/17/02

Set #0102S25050
Report Date: 12/30/02

Lab Id	Sample Id	Coarse Fragments %	Sand %	Silt %	Clay %	Texture	TOC %	Total Sulfur %	T.S. AB t/1000t	Neutral. Pot. t/1000t	T.S. ABP t/1000t
0102S25050	So. Portals Fill	66.5	70.0	17.0	13.0	SANDY LOAM	<0.1	0.02	0.62	208	207
~~0102S25051~~	~~Highwall Fill~~	~~[illegible]~~	~~[illegible]~~	~~15.0~~	~~[illegible]~~	~~LOAM~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~

INCORPORATED
APR 0 2 2003
DIV OF OIL GAS & MINING

These results only apply 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, Neut. Pot.= Neutralization Potential
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By: _____
Joey Sheeley, Soils Lab Supervisor

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

West Ridge Resources, Inc.
794 North "C" Canyon Road
East Carbon, UT 84520

Client Project ID: Topsoil
Date Received: 12/17/02

Set #0102S25050
Report Date: 12/30/02

Lab Id	Sample Id	Available Sodium	Exchangeable Sodium	Boron	Nitrogen Nitrate	Selenium	TKN
		meq/100g	meq/100g	ppm	ppm	ppm	%
0102S25050	So. Portals Fill	0.72	0.27	0.28	1.10	0.08	0.03
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

INCORPORATED
APR 0 2 2003
DIV OF OIL GAS & MINING

These results only apply 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, Neut. Pot.= Neutralization Potential
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By: _____
Joey Sheeley, Soils Lab Supervisor