**APPENDIX 2-8**

**LABORATORY ANALYSIS**
**NATIVE FILL AND IMPORTED FILL**

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4/05/2003

**APPENDIX 2-8**

**LABORATORY ANALYSIS**
**NATIVE FILL AND IMPORTED FILL**

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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<br>Lab work & parameters requested by West Ridge Resources, East Carbon, UT<br>Laboratory analyses by Inter-Mountain Laboratories, Inc., Sheridan, WY<br>Analyses interpretations by Mt. Nebo Scientific, Inc., Springville, UT | | |

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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~~ |

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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]~~ |

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# 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] |

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These results only apply to the samples tested.

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Joey Sheeley, Soils Lab Supervisor