



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Table with 2 columns: Role, Name. Row 1: OGM Priscilla Burton Environmental Scientist III. Row 2: Company Gary E. Gray Resident Agent.

Inspection Report

Table with 2 columns: Field, Value. Fields include Permit Number (C0070041), Inspection Type (COURTESY), Inspection Date (Tuesday, September 06, 2005), Start Date/Time (9/6/2005 9:00:00 AM), End Date/Time (9/6/2005 4:30:00 PM), Last Inspection (Thursday, August 25, 2005).

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun, 75 - 80 F

InspectionID Report Number: 717

Accepted by: whedberg
9/28/2005

Permittee: WEST RIDGE RESOURCES
Operator: WEST RIDGE RESOURCES
Site: WEST RIDGE MINE
Address: PO BOX 1077, PRICE UT 84501
County: CARBON
Permit Type: PERMANENT COAL PROGRAM
Permit Status: ACTIVE

Current Acreages

Table with 2 columns: Value, Description. Rows: 4,382.55 Total Permitted, 29.06 Total Disturbed, Phase I, Phase II, Phase III.

Mineral Ownership

- Checked: Federal, State. Unchecked: County, Fee, Other.

Types of Operations

- Checked: Underground. Unchecked: Surface, Loadout, Processing, Reprocessing.

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Observed and photographed the implementation of the test plots described in the Experimental Practice (Appendix 2-6 of the MRP). Photos are in the file and some accompany this report.

Inspector's Signature

Date Friday, September 09, 2005

Priscilla Burton, Environmental Scientist III
Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Topsoil

The experimental practice describes burial of topsoil for five years and subsequent unearthing for a comparative test of reclamation of the buried topsoil with reclamation of stockpiled topsoil. Albert and Ty of Neilson Construction, Inc. did the work which began on Thursday, September 2, 2005 with removing stinging nettle seed heads from the patch of nettle totally covering the Midfork topsoil stockpile. Work proceeded on Monday, September 6, 2005 using a CAT 320 BL to move the topsoil. Work proceeded as described in App. 2-6, with the following exceptions: a) The operational sequence was slightly different than that written on page 20 of App. 2-6; b) there was no application of straw and wood fiber mulch and tackifier; c) There was no soil amendment added; and d) The seeding was not conducted on this date. The date of seeding will be reported to the Division.

Use Map 2-4 to follow this sequence of events that supercedes that written on page 20 of App. 2-6:

- 1) The surface foot of Strych topsoil was temporarily relocated from the Strych stockpile area to the Strych fill area. (The geotextile separating it from the subsoil fill was also removed at this time.)
- 2) Subsoil fill material (and geotextile beneath it) was removed from the Strych stockpile area, re-exposing the buried topsoil. The subsoil was replaced to approximate original contour on the Midfork cut area. [The Strych cut area was probed for evidence of geotextile, because Map 2-4 indicated that this area was geotextiled as well. No geotextile found, we assumed the map was in error, since the narrative in App. 2-6 did not mention geotextile in this quadrant of the test plot.]
- 3) Topsoil (and geotextile beneath it) was removed from the Midfork stockpile area, re-exposing buried topsoil. The surface topsoil was replaced over the backfilled and regraded Midfork cut area.
- 4) The temporarily stockpiled Strych topsoil was spread over the Strych fill area.
- 5) One-half of a 1/2 ton bale of certified, weed-free alfalfa hay was spread over the entire 0.13 acre area (this is equivalent to about 1.5 Ton/ac, extra hay was placed off to the side of the test plot area.) I reviewed the phytosanitary certificate.
- 6) The hay was incorporated with gouging of replaced topsoil and unearthed, buried topsoil.

Observations: The backhoe is not an adequate tool for removing a layer of topsoil without shredding the geotextile below. Using the backhoe, the reclaimed strych soil in the NE quadrant, formerly "Strych Fill Area" of the test plot, is a mix of topsoil/subsoil on the surface. Similarly, the reclaimed, buried topsoil in the NW quadrant, formerly "Strych Topsoil Area", is a mix of subsoil and topsoil. It is very difficult to remove all the geotextile.

About three feet below the surface, the strych subsoil became moist and noticeably more rocky. The Midfork soil was more moist because of its location in the shadows.

Mr. Gray took composite soil samples from each of the test plot quadrants. Samples were delivered to BYU labs on 9/16/2005 for analysis of nitrate nitrogen, potassium, phosphorus, Organic Matter, pH, Electrical Conductivity, iron, zinc, manganese,

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Inspection Type: COURTESY
Inspection Date: Tuesday, September 06, 2005

Inspection Continuation Sheet

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copper and texture. The site will be seeded and Division notified of seeding. Seed from a local canyon sweetvetch patch will be harvested and scattered over the test plot area. Since this is final reclamation, five-gallon containerized plants will be planted along the channel (App 2-6, pg 28).





