



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, Jerriann Ernstsens Environmental Scientist II. Row 2: Company, Dennis Ware Controller.

Inspection Report

Table with 2 columns: Field, Value. Fields include Permit Number (C0070004), Inspection Type (PARTIAL), Inspection Date (Thursday, July 28, 2005), Start Date/Time (7/28/2005 10:00:00 AM), End Date/Time (7/28/2005 4:00:00 PM), Last Inspection (Wednesday, June 29, 2005).

Inspector: Jerriann Ernstsens, Environmental Scientist II

Weather: sunny; 90's

InspectionID Report Number: 689

Accepted by: pgrubaug
8/9/2005

Permittee: CASTLE GATE HOLDING CO
Operator: CASTLE GATE HOLDING CO
Site: CASTLE GATE MINE
Address: PO BOX 30, HELPER UT 84526-0030
County: CARBON
Permit Type: PERMANENT COAL PROGRAM
Permit Status: ACTIVE

Current Acreages

Table with 2 columns: Value, Description. Rows: 7,619.00 Total Permitted, 63.00 Total Disturbed, 29.20 Phase I, 18.20 Phase II, Phase III.

Mineral Ownership

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

Types of Operations

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

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

The purpose of this site visit was to conduct a partial inspection of the Castle Gate facilities. The Adit, Hardscrabble, and Sowbelly roads were evaluated.

No compliance issues were noted.

Inspector's Signature

Date Monday, August 08, 2005

Jerriann Ernstsens, Environmental Scientist II
Inspector ID Number: 52

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input checked="" 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"/>

## **2. Signs and Markers**

Signs containing the required information were posted at access points to the reclaimed area at the Adit, Hardscrabble, and Sowbelly.

### **4.a Hydrologic Balance: Diversions**

Adit: Channel was flowing (~1 gal/min) approximately the same as 6/29/05.

Hardscrabble: No channels were flowing or appeared wet at the surface.

Sowbelly: No channels were flowing or appeared wet at the surface.

### **4.c Hydrologic Balance: Other Sediment Control Measures**

Adit: There is a "heavy", white sediment depositing along the channel. The water flows out of two pipes on the southern side of the drainage. There is significant algae growth along the entire channel, especially near the pipes.

## **9. Protection of Fish, Wildlife and Related Environmental Issues**

No significant signs of current big game presence at Adit, Hardscrabble, or Sowbelly.

## **10. Slides and Other Damage**

No signs of noticeable slides or sloughing at Adit, Hardscrabble, or Sowbelly.

### **13. Revegetation**

Adit: There is a significant crop of cheatgrass growing on the northern slope - southern exposure above the reclamation site was in seed. The Permittee may want to keep an eye on the spread of cheatgrass to the reclaimed site. Because the revegetation efforts were so successful, the likelihood cheatgrass invading this site is minimal, at this time. Observed plant species at Adit include the following: \*winterfat, \*four wing saltbush, sumac, \*Palmer penstemon, gum weed (along road), \*flax, kochia (along road), \*sweetclover, \*blueleaf aster (along road), \*Basin wildrye, \*blue bunch w.g., \*Indian rice grass, foxtail barley (along road & channel), \*thickspike w.g., \*western w.g., and cheatgrass (marginal).

Hardscrabble: The vegetation of the areas approaching Phase III bond release site was good. Observed plant species at HS PIII include the following: juniper, ponderosa, scrub oak, \*big sagebush, \*rabbitbrush, \*sumac, \*Palmer penstemon, gum weed, yarrow, golden eye, \*Basin wildrye, \*blue bunch w.g., \*Indian rice grass, \*thickspike w.g., \*western w.g., foxtail, and cheatgrass.

The small area (substation) approaching Phase I bond release had high diversity, numbers, and growth. Observed plant species at HS PI include the following: \*rabbitbrush, \*big sagebush, \*Palmer penstemon, gum weed, yarrow, \*Basin wildrye, \*blue bunch w.g., \*Indian rice grass, foxtail barley, \*thickspike w.g., \*western w.g., and cheatgrass.

Sowbelly: I met with Patrick Collins to go over the SB site. He showed me how he selected his sample locations for the PIII 10 yr bond release survey.

Vegetation at the lower site was fair-good. They had begun their weed control program for the year. This inspection did not include a visit to the upper portion of the site. Observed plant species at SB include the following: \*winterfat, \*four wing saltbush, \*big sagebush, snakeweed, eldeberry, \*Palmer penstemon, phlox, gum weed (along road), yarrow, golden eye, \*flax, kochia, dock, \*Basin wildrye, \*blue bunch w.g., \*Indian rice grass, foxtail barley (along road & channel), \*thickspike w.g., \*western w.g., and cheatgrass (marginal).