



State of Utah

Department of Natural Resources

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Division of Oil, Gas & Mining

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Division Director

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Table with 2 columns: Representative Name, Title. Includes Jerriann Ernstsens and Dennis Ware.

Inspection Report

Table with 2 columns: Field Name, Value. Includes Permit Number, Inspection Type, Date, Time, and Last Inspection.

Inspector: Jerriann Ernstsens, Environmental Scientist II

Weather: Sunny; upper 80's

InspectionID Report Number: 729

Accepted by: pgrubaug
9/23/2005

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: RECLAIMED

Current Acreages

Table with 2 columns: Acreage, Category. Includes Total Permitted, Total Disturbed, and Phases I, II, III.

Mineral Ownership

- Checkboxes for Federal, State, County, Fee, Other.

Types of Operations

- Checkboxes for Underground, Surface, Loadout, Processing, 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 and Sowbelly sites were evaluated.

No compliance issues were noted.

Inspector's Signature

Date Tuesday, September 20, 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## **1. Permits, Change, Transfer, Renewal, Sale**

The permit was renewed December 24, 2004 and is current through December 2009.

## **2. Signs and Markers**

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

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

Adit: Channel was flowing (~1 gal/min) approximately the same as 7/29/05.  
Sowbelly: No channels were flowing and the surface was dry.

### **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.

### **4.d Hydrologic Balance: Water Monitoring**

Castle Gate monitors every quarter. Reports are due at the end of the following quarter. There have been no changes since the first quarter's report. The second quarter's monitoring data is due by the end of June 30 and the report is due by Sept. 30.

## **8. Noncoal Waste**

Sowbelly: The area near the abandoned building always has litter. Although this area is not under the control of the operator, I thought it important to mention that there was a significant amount of gun and firework casings this summer. My main concern is fire in that narrow canyon. There is no enforcement action, just passing information to the operator.

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

No significant signs of current big game presence at Sowbelly.

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

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

### **13. Revegetation**

Sowbelly: Vegetation at the lower site was fair-good. 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, elderberry, \*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). The reference area looked in good condition. It is in a narrow channel between the road and mountain - starting approximately 200' below the abandoned building and ending about 200' above a very large clump of cottonwoods. Patrick Collins marked the length with blue ribbons tied onto rabbitbrush growing near the road.

### **16.b Roads: Drainage Controls**

No significant issues at the Adit, Hardscrabble, or Sowbelly.

### **21. Bonding and Insurance**

The surety bond (#104329369) is currently set at \$680,154.00 and Certification of Insurance is in effect until all of the Permittee's reclamation obligations have been met under the rules of SMCRA.