



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

100274

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## INSPECTION REPORT

Partial:  Complete:  Exploration:   
Inspection Date & Time: December 10, 1999, 10:15 AM to 1:00 PM  
Date of Last Inspection: November 8, 1999

Mine Name: Castle Gate County: Carbon Permit Number: ACT/007/004 #6  
 Permittee and/or Operator's Name: Castle Gate Holding Company  
 Business Address: 847 Northwest Highway 191, Helper, Utah 84526  
 Type of Mining Activity: Underground  Surface  Prep. Plant  Other   
 State Official(s): Paul Baker  
 Company Official(s): Johnny Pappas  
 Federal Official(s): None  
 Weather Conditions: Cloudy, 20's, light snow, about 2" of snow on the ground  
 Existing Acreage: Permitted- 7619 Disturbed- 63 Regraded- 60 Seeded- 60 Bonded- 63  
 Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0 Seeded- 0 Bonded- 0  
 Status: Exploration/  Active/  Inactive/  Temporary Cessation/  Bond Forfeiture  
 Reclamation (X Phase I/  Phase II/  Final Bond Release/  Liability  Year)

### REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

#### Instructions

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 N/A.
  - b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing 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, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
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 type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input 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. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/004

DATE OF INSPECTION: December 10, 1999

(Comments are Numbered to Correspond with Topics Listed Above)

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

The permit was renewed December 24, 1999, with a condition that Castle Gate Holding Company will submit the water quality data to the Division into the required electronic format (EDI) by first quarter 2000.

### 4. Hydrologic Balance

#### a. Diversions

Because the contractor was still working in the Goose Island area, the swales across the road have not yet been repaired, but they need to be fixed as soon as possible.

Channel HCRD-10 in Goose Island was nearly completed, and it clearly met or exceeded the design criteria in the plan. I believe this new channel, combined with the new grading in adjacent areas, will function much better than the old channel.

#### d. Water Monitoring

The water monitoring report for the third quarter of 1999 indicates sites B-12, B-28, and B-45 were sampled June 9, 1999, which is in the second quarter. However, there is a note for each of these sites that they were noted during the OSM oversight inspection (which happened in September, the third quarter). Therefore, it appears the dates are in error since we did check the water monitoring sites during the inspection with OSM in September. The sites are all in ephemeral stream channels and were all dry.

### 12. Backfilling and Grading

The operator took refuse out of Goose Island and buried it below the cliff near the No. 3 Mine. This enabled the operator to take the "edge" off one of the slopes in Goose Island, and although the slope will still be somewhat convex, it will be much less convex than it was. This should decrease the amount of erosion on the steep slope going down to the main channel. Also, the slopes are now gouged, and they have much more rock on the surface than they did previously.

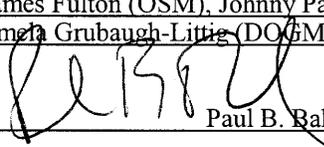
My main concern in Goose Island area was what appeared to be a small hump on the south side of the channel. This would keep water from going into the channel. We discussed this with an equipment operator, and it should have been fixed.

Wayne Western, a Division engineer, Daron Haddock, Mr. Pappas, and I visited the site November 23, 1999, and we decided the slopes needed to be reduced even more than they had been. The contractor was not quite finished during the December 10 inspection, but I understand the work has now been completed.

### Copy of this Report:

Mailed to: James Fulton (OSM), Johnny Pappas (Castle Gate)

Given to: Pamela Grubaugh-Little (DOEM)

Inspector's Signature:  Paul B. Baker #41 Date: December 28, 1999