



ACT/007/004

Castle Gate Sawbolly Gulch

Looking Southeast

About June 1994



BLACKHAWK ENGINEERING, CO.

Rt. 1, Box 146-H5 - Helper, Utah 84526 - Telephone (801) 637-2422

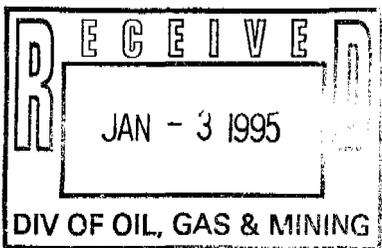
To: Mr. Chris Rohrer
From: Dan Guy
Subject: Weekly Inspection of School House Canyon Disposal Site
Date: December 28, 1994 (Week 6)

On Wednesday, December 21, a final inspection of the Castle Gate Refuse Pile was made. In attendance was Paul Baker and Chris Rohrer with the Division of Oil, Gas & Mining, Lonnie Mills with Cyprus Plateau and Dan Guy and Dana Ballard with Blackhawk Engineering Company.

This was intended to be a final inspection for both compliance with the contract as well as the mining regulations. Areas flagged on the previous inspection had been re-graded, and efforts had been made to grade the road and ditches. Frozen ground conditions prevented complete grading of the ditches and haul road; however, all systems appeared to be operational and it was agreed that grading could wait until ground conditions were more favorable.

The pile was completely graded and compaction appeared adequate. There are no areas visible where water impoundment should occur. Very few roots were noted and no other extraneous material was observed on the pile. It was agreed that the pile slope, compaction and configuration appeared adequate, and we could proceed with the final survey and volume calculation. The final survey is planned for the first week of January 1995. The final report is expected to be completed by 01/15/95.

The general consensus of the inspectors and operators present seemed to be that the refuse disposal was conducted as planned, and that all pertinent environmental controls were in compliance; however, it was recommended that the road and ditches be checked for runoff control and regraded when ground conditions allow.



WEEKLY INSPECTION REPORT
School House Canyon Refuse Disposal Site

AMAX Coal Company
Castle Gate Mine
P.O. Box 449
Helper, Utah 84526

Preparation Plant - MSHA ID #42-01517
Refuse Pile - MSHA ID #42-1211-UT-9-0027

Date: 12/21/94 Approximate Top Elevation: 6420

Terrace No. 3 Slope of Face: Approx. 2:1

Removal of Organic Matter: None required prior to disposal.

Very minor amount of roots noted in disposal area - no other extraneous material observed.

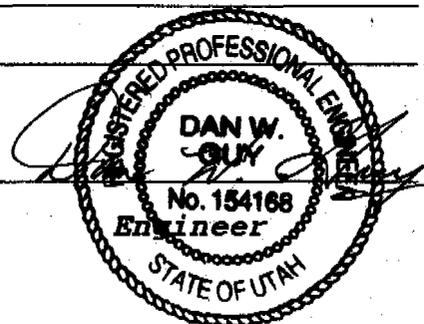
Distribution and Mixing of Materials: Final grading completed by grader. Material appears well mixed.

Overall Stability and Appearance: Compaction appears O.K. All new slopes less than 2:1. Well graded and sloped. No water impoundment.

Drainage Controls: Ground frozen. All controls appear operational. Ditches and roads to be regraded when ground conditions improve.

Other Comments: Week 6 of Project. Final Inspection. Final survey scheduled for the first week of January 1995.

Dan W. Guy
Inspector

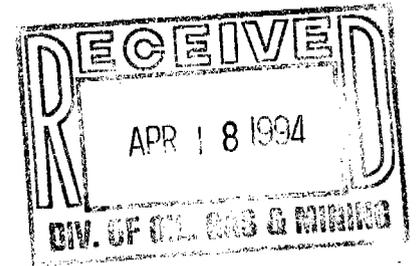




Cyprus Plateau Mining Corporation
P.O. Drawer PMC
Price, Utah 84501
(801) 637-2875
Fax: (801) 637-2247

April 11, 1994

Mr. Lowell Braxton
Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



RE: Castle Gate Mine 1993 Annual Report

ACT 1007/004 # 6

Dear Mr. Braxton:

Enclosed is the Castle Gate Mine 1993 Annual Report. If you have any questions concerning the information submitted in this report, please contact me at (801)637-2875.

Sincerely,

A handwritten signature in cursive that reads 'Tom Hurst'.

Tom Hurst
Sr. Mining Engineer

TH/th

c. John Borla
Ben Grimes
Lonnie Mills

File: Castle Gate Annual Report 1993

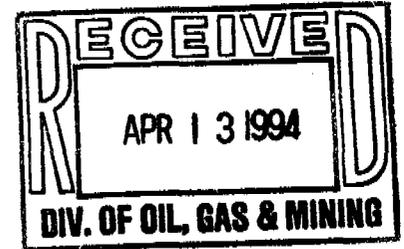
enclosure



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Fax: (801) 637-2247

April 11, 1994

Mr. Lowell Braxton
Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



RE: First Quarter 1994 Refuse Pile Report

Dear Mr. Braxton:

*Route to Paul Baker
file ACT/007/004 #6*

Enclosed is the First Quarter Refuse Pile inspection report for the refuse pile located at the preparation plant at the Castle Gate Mine. This inspection report is being sent to you to fulfill the requirements of R645-301-514.230 which requires a certified report be sent to the Division.

If you have any questions concerning the information submitted in this report, please contact me at (801)637-2875.

Sincerely,

Tom Hurst
Tom Hurst
Sr. Mining Engineer

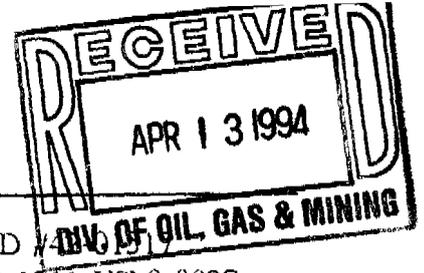
TH/th

c. John Borla
Ben Grimes
Lonnie Mills

File: Castle Gate Refuse Pile

enclosure

QUARTERLY INSPECTION REPORT
School House Canyon Refuse Disposal Site



AMAX Coal Company
Castle Gate Mine
P.O. Box 449
Helper, UT 84526

Preparation Plant - MSHA ID #42-1211-UT-9-0027
Refuse Pile - MSHA ID #42-1211-UT-9-0027

Date: 3/31/93

Approximate Top Elevation: No Change

Terrace No. Top

Slope of Face: (- 2- to 2.5:1) %

Removal of Organic Matter: one Pic of used bedding
Observed in RV ditch area.

Distribution and Mixing of Materials: Appears uniform in nature and texture.

Overall Stability and Appearance: Good - (small breach in face below drainage ditch. result of air accumulation.

Average In-Place Density

Average Rate of Compaction

Number of Tests Performed

Piezometer Levels

1st Terrace

North _____

Middle _____

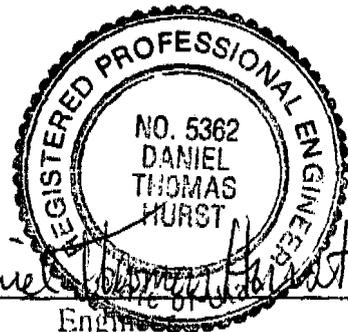
South _____

2nd Terrace

North _____

Middle Dry

[Signature]
Inspector



[Signature]
Engineer

AMAX COAL WEST, INC.

A Subsidiary of AMAX Coal Industries, Inc.

Pam

RECEIVED

FEB 11 1994

**DIVISION OF
OIL GAS & MINING**

February 9, 1994



Mr. William Holgate
District Manager
Mine Safety and Health Administration
P. O. Box 25367 DFC
Denver, CO 80225

*Route to Wayne, then
file ACT/007/004 #6*

RE: MSHA Impoundment Castle Gate Mine Report

Dear Mr. Holgate,

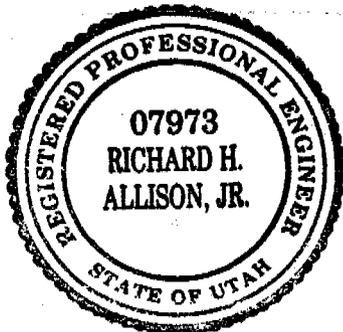
Pursuant to Part 77.216-4, Reporting Requirements for Sediment Impoundments, I am submitting the following information:

Structure Name:	Schoolhouse Sediment Pond #13
MSHA I.D. N.o:	42-00165-2
Owner:	Amax Coal Company
Address:	Cyprus Plateau Mining Company P. O. Drawer PMC Price, UT 84501

The above named pond has been inspected by Mr. Dan Guy, P.E.; attached is his certified report. No modifications to the pond have been made within the last twelve months.

Sincerely,

Richard H. Allison, Jr., P.E.
Project Supervisor



Enclosure
RHA:mlk

Certified Receipt: P 078 057 127

cc: ~~Donell Braxton, DOGM~~ - w/enclosures
Mel Coonrod, EIS Environmental Book - w/enclosures
John Borla, Cyprus Plateau - w/enclosures

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OIL GAS & MINING**



February 9, 1994

Mr. William Holgate
District Manager
Mine Safety and Health Administration
P. O. Box 25367 DFC
Denver, CO 80225

*Route to Hayne, then
file ACT/007/004 #6*

RE: MSHA Impoundment Castle Gate Mine Report

Dear Mr. Holgate,

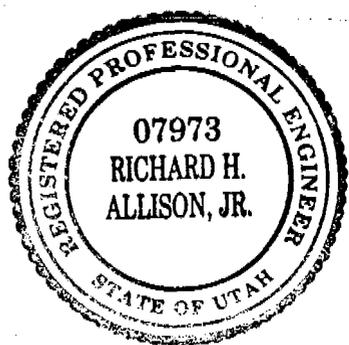
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Sincerely,

Richard H. Allison, Jr., P.E.
Project Supervisor



Enclosure
RHA:mlk

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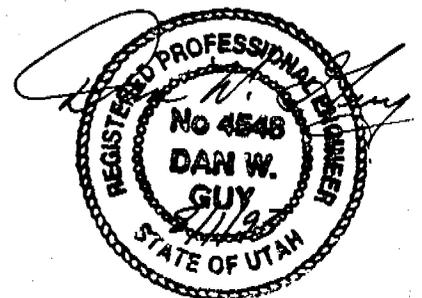
cc: Lowell Braxton, DOGM - w/enclosures
Mel Coonrod, EIS Environmental Book - w/enclosures
John Borla, Cyprus Plateau - w/enclosures

CASTLE GATE COAL COMPANY

REFUSE PILE MONITORING

STATION	LOCATION	ELEVATION			CHANGE	
		11/92	8/93	8/93	Last	Acc.
RPC-1	NW of Pile	6391.52	6391.52	6391.52	(Control Pt.)	
RPC-2	SE of Pile	6357.48	6357.48	6357.48	(Control Pt.)	
RPM-1	W on Upper	6384.60	6384.57	6384.57	-0.03	-0.03
RPM-2	E on Upper	6381.63	6381.62	6381.62	-0.01	-0.01
RPM-3	E on Middle	6355.19	6355.13	6355.13	-0.06	-0.06
RPM-4	W on Middle	6351.37	6351.29	6351.29	-0.08	-0.08

- Notes:
- (1) RPC-1 and RPC-2 are Control Points located on stable ground adjacent to the Refuse Pile.
 - (2) RPM-1 and RPM-2 are Monitoring Points located on the face of the upper pile terrace.
 - (3) RPM-3 and RPM-4 are Monitoring Points located on the face of the middle pile terrace.
 - (4) All points were set in concrete and surveyed on 11/15/92.
 - (5) Resurveyed on 8/1/93.



Par
AMAX COAL WEST, INC.

A Subsidiary of AMAX Coal Industries, Inc.



February 9, 1994

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FEB 11 1994

Mr. William Holgate
District Manager
Mine Safety and Health Administration
P. O. Box 25367 DFC
Denver, CO 80225

DIVISION OF
OIL GAS & MINING

*Route to Wayne, then
file ACT/057/004 #6*

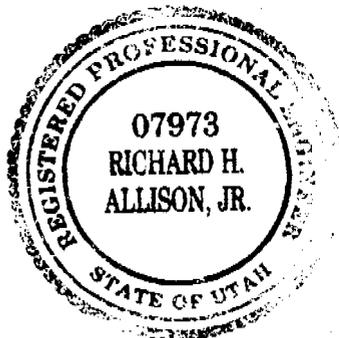
RE: Refuse Pile Annual Report, I.D. No. 1221-UT-9-42-00165-1

Dear Mr. Holgate,

The following information is being furnished to you pursuant to Part 77.215-2 (c) Refuse Piles Annual Report. Castle Gate Mine was idle during 1993, therefore no refuse from the plant was placed on the pile. However, approximately 35,000 yards of sediment and coal waste from clean-up around the plants site was taken to the refuse pile and compacted. The topographic maps in your file that depicts the present extent of the refuse pile and the maximum extent of the refuse pile are essentially the same as last years maps. Therefore, I have not resubmitted these maps.

- 1) The refuse pile is not burning nor has any spontaneous combustion occurred in the previous twelve months.
- 2) The pile was graded once in 1993 in order to prevent water from impounding on the refuse pile.
- 3) Piezometers on the pile have been checked quarterly and have no water in them.
- 4) Cross sections of the pile, which are in your file, show the original ground surface, the present configuration, and the proposed maximum extent of the refuse pile.

The attached Refuse Pile Monitoring Report is being submitted for your information.



Sincerely,

Richard H. Allison, Jr.

Richard H. Allison, Jr., P.E.
Project Supervisor

Enclosure
RHA:mlk

Certified Receipt: P 078 057 128

cc: Lowell Braxton, DOGM - w/enclosures
Mel Coonrod, EIS Environmental Book - w/enclosures
John Borla, Cyprus Plateau - w/enclosures

CASTLE GATE COAL COMPANY

1992 ANNUAL POND INSPECTION REPORT

POND: Refuse Pond 013

LOCATION: Castle Gate

IMPOUNDMENTS

- | | |
|---------------------------------|--|
| (1) Stability | <u>Slopes Stable/Mostly Incised.</u> |
| (2) Structural Weakness/Erosion | <u>None Noted.</u> |
| (3) Potential Safety Hazards | <u>None Noted.</u> |
| (4) Depth of Impounded Water | <u>N/A - Dry</u> |
| (5) Existing Storage Capacity | <u>3.87 acre feet.</u> |
| (6) Monitoring Procedures | <u>Weekly Inspection per M.S.H.A.
U.P.D.E.C.</u> |

SEDIMENT PONDS ONLY

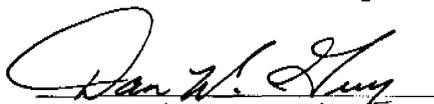
- | | |
|--|------------------------|
| (7) Sediment Accumulation (Elev.) | <u>6233.4</u> |
| (8) Sediment Cleanout Level (Elev.) | <u>6245.5</u> |
| (9) Principle Spillway (Elev.) | <u>6255.0</u> |
| (10) Emergency Spillway (Elev.) | <u>6255.0</u> |
| (11) Existing Sediment Capacity
(To Cleanout) | <u>3.30 acre feet.</u> |

GENERAL

- | | |
|-------------------------------|--|
| (12) Comments/Recommendations | <u>No Discharge. Open Channel Spillway.
M.S.H.A. Pond ID-1211-UT-09-00-165-02.
Resurveyed.</u> |
|-------------------------------|--|

STATEMENT

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.


(Signature)

08-24-93
(Date)

