

Document Information Form

Mine Number: C1015/004

File Name: Internal

To: DOGM

From:

Person N/A

Company UNITED STATES DEPARTMENT OF THE INTERIOR.

Date Sent: NOVEMBER 07, 1988.

Explanation:

MINE SITE EVALUATION INSPECTION REPORT.

cc:

File in: C1015, 004, Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

RECEIVED

DOG M
SHE

file IN 1015/004

NOV 07 1988

United States Department of the Interior Office of Surface Mining Mine Site Evaluation Inspection Report

DIVISION OF OIL, GAS & MINING

For Office Use Only

| | | |
|---------|-------|--------|
| 1a | 1b | 1c |
| Y Y M M | Batch | Report |

2. Name of Permittee

BRAVET CREEK COAL CO

9. MSHA Number

42-01270-

10. Date of Inspection (Y M M D D)

881027

3. Street Address

PO BOX 1378

11. State Permit Number

0151004

4. City

Price

5. State

MT

12. Name of Mine

HUNTINGTON #4

6. Zip Code

84501

7. Area Code

801

8. Telephone Number

637-5050

13. County Code

015

14. State Code

MT

15. Strata

16. State Area Office

01

17. OSM Field Office No.

02

18. OSM Area Office No.

19. OSM Sample No.

0086

20. Type of Inspection (Code)

C

21. Joint Inspection

Yes: X No:

22. Inspector's ID No.

107

23. Status

- A 01 Type of Permit
- B A Mine Status (Code)
- C 20 Type of Facility (Code)
- D 61320.0 Number of Permitted Acres
- E 00012.5 Number of Disturbed Acres

24. Type of Activity (check applicable boxes).

- A Steep Slope
- B Mountain Top Removal
- C Prime Farmlands
- D Alluvial Valley Floors
- E Anthracite
- F Federal Lands
- G Indian Lands
- H Other

25. Performance Standards (Codes)

Instructions: Indicate compliance code. For any standard marked 2 or 3 provide narrative to support this determination.

Standards That Limit the Effects to the Permit Area

- A Distance Prohibitions
- B Mining Within Permit Boundaries
- C Signs and Markers
- D Sediment Control Measures
- E Design and Certification Requirements—Sediment Control
- F Effluent Limits
- G Surface Water Monitoring
- H Ground Water Monitoring
- I 3 Blasting Procedures
- J Haul/Access Road Design and Maintenance
- K 2 Refuse Impoundments
- L Other: Specify _____

Standards That Assure Reclamation Quality and Timeliness

- M Topsoil Handling
- N Backfilling and Grading
- O Following Reclamation Schedule
- P Revegetation Requirements
- Q 3 Disposal of Excess Spoil
- R Handling of Acid or Toxic Materials
- S H₂S
- T Do
- U Po
- V Ce
- W Otl

File in:

- Confidential
- Shelf
- Expandable

Refer to Record No. 0005 Date _____

In CI 015, 004, Internal

For additional information _____

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file INR1015/004
#5

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United States Department of the Interior
Office of Surface Mining
Mine Site Evaluation Inspection Report

DIVISION OF
OIL, GAS & MINING

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| | | |
|---------------|-------------|--------------|
| 1a Y Y M M | 1b Batch | 1c Report |
|---------------|-------------|--------------|

2. Name of Permittee
B R A V E R C R E A K C O - 1 C O

3. Street Address
P O B O X 1 3 7 8

4. City
P R I C E

5. State
W T

6. Zip Code
8 4 5 0 1

7. Area Code
8 0 1

8. Telephone Number
6 3 7 - 5 0 5 0

9. MSHA Number
4 2 - 0 1 2 7 0 -

11. State Permit Number
0 1 5 1 0 0 4

12. Name of Mine
H A N T I N G T O W N # 4

13. County Code
0 1 5

14. State Code
W T

15. Strata

16. State Area Office
0 1

10. Date of Inspection
(Y M M D D)
8 8 1 0 2 7

17. OSM Field Office No.
0 2

18. OSM Area Office No.

19. OSM Sample No.
0 0 8 6

20. Type of Inspection (Code)
C

21. Joint Inspection
Yes No
X

22. Inspector's ID No.
1 0 7

23. Status

A 0 1 Type of Permit

B A Mine Status (Code)

C 2 0 Type of Facility (Code)

D 0 1 3 2 0 • 0 Number of Permitted Acres

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E Anthracite

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G Indian Lands

H Other

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Instructions: Indicate compliance code. For any standard marked 2 or 3 provide narrative to support this determination.

- Standards That Limit the Effects to the Permit Area
- A Distance Prohibitions
 - B Mining Within Permit Boundaries
 - C Signs and Markers
 - D Sediment Control Measures
 - E Design and Certification Requirements—Sediment Control
 - F Effluent Limits
 - G Surface Water Monitoring
 - H Ground Water Monitoring
 - I 3 Blasting Procedures
 - J Haul/Access Road Design and Maintenance
 - K Refuse Impoundments
 - L Other: Specify _____

- Standards That Assure Reclamation Quality and Timeliness
- M Topsoil Handling
 - N Backfilling and Grading
 - O Following Reclamation Schedule
 - P Revegetation Requirements
 - Q 3 Disposal of Excess Spoil
 - R Handling of Acid or Toxic Materials
 - S Highwall Elimination
 - T Downslope Spoil Disposal
 - U Post Mining Land Use
 - V Cessation of Operations: Temporary
 - W Other _____

United States Department of the Interior
Office of Surface Mining
Mine Site Evaluation Inspection Report

DOWN
llc

26. State Permit Number

0151004

27. Date of Inspection
(Y M M D D)

881027

28. Yes No Do mining and reclamation activities on the site comply with the plans in the permit?
 If no, provide narrative to support this determination.

29. Indicate number of complete and partial inspections conducted by the State to date for this annual review period:

29a. 2 Number of Completes

29b. 2 Number of Partials

30. Indicate number of complete and partial inspections required by the State during this annual review period:

30a. 1 Number of Completes

30b. 3 Number of Partials

31. Has inspection frequency been met?

Yes No

31a. Completes

Yes No

31b. Partials

32. FEDERAL ENFORCEMENT INFORMATION. (Enter violation number. Check appropriate box(es))

| Ten-Day Notice No. | Notice of Violation No. | Cessation Order No. | Violation Codes |
|-------------------------------------|--------------------------|--------------------------|---------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Authorizations to Operate |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Signs and Markers |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Backfilling and Grading |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Highwall Elimination |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rills and Gullies |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Improper Fills |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Topsoil Handling |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Sediment Ponds |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Effluent Limits |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Water Monitoring |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Buffer Zones |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Roads |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Dams |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Blasting |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Revegetation |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Spill on the Downslope |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Mining Without Permit |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Exceeding Permit Limits |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Distance Prohibitions |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Toxic Materials |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other Violations |

33. Name of Authorized Representative (print or type)

Rade H Orell

Signature of Authorized Representative

Rade H Orell

Date

1 NOV. 1988

Signature of Reviewing Official

Thom G. ...

Date

11-2-88

06 0
01 0
08 0
04 0

Beaver Creek Coal Company
P.O. Box 1378
Price, Utah 84501

Huntington Canyon #4
Utah Permit #015/004

Oversight Inspection
October 27, 1988

Participants:

Rade H. Orell, Office of Surface Mining Reclamation and Enforcement, Albuquerque Field Office (AFO); Bill Malensik, Utah Division of Oil, Gas, and Mining, Price Field Office (DOG M); and Dan Guy, Beaver Creek Coal Company.

Mine Site Evaluation Inspection Report:

This was an oversight inspection therefore the Mine Site Evaluation Inspection Report form has been completed accordingly. The number 3 has been placed at Performance Standard Codes I, K, and Q to indicate their non-applicability to the Huntington Canyon #4 Mine. The inspection did not result in the issuance of a Ten-Day Notice or DOGM enforcement actions.

Introduction:

The inspection commenced at the offices of Beaver Creek Coal Company in Price, Utah. The inspection included a records review as well as a field inspection. The weather was clear and mild. Ground conditions were dry. A Pentax IQ Zoom camera was used to photograph areas of interest.

Records Review:

The inspection commenced with a records review. The records we reviewed included the Quarterly Water monitoring reports for the first, second and third quaters of 1988, NPDES quarterly reports for the same period, Certificate of Liability, Quarterly Sediment Pond Inspection reports, 1987 Annual Report, Subsidence Monitoring, and certain sections of the Mining and Reclamation Plan including reclamation obligations and specific design detail regarding the sediment ponds.

In preparation for the inspection I also reviewed records maintained at the offices of DOGM in Salt Lake City.

Field Inspection:

The field inspection commenced the afternoon of October 27. We started the inspection at the gate located on the reclaimed road that leads to the upper bench (pad). The lower bench and road, topsoil stockpile and sediment ponds were also inspected. The previous oversight inspection (March 9, 1988) documented the need for remedial erosion control. That inspection also documented that access to the site during the winter months is limited due to snow and wet conditions. The inspection report stated that it is not unreasonable to expect that remedial work following the winter months will be necessary. This inspection documented that the operator is taking steps to alleviate some of the erosion problems and that the necessary work is not yet completed.

Upper Bench and Road:

We walked the road in an uphill direction to the eastern permit boundary. Generally, revegetation of the disturbed area is progressing. We observed numerous relatively small bare areas where revegetation efforts have not been successful. The operator in cooperation with DOGM is attempting to address the problem. The operator recently collected soil samples from the bare areas. Analysis indicate salt content and low phosphorus and potassium may be limiting vegetation establishment (described in a DOGM memo dated August 10, 1988). While the bare areas were recently reseeded fertilization is pending. DOGM is also requiring the operator to apply mulch to the bare areas. Mulching and fertilization will be accomplished this fall.

We also observed a small tension crack on the reclaimed road outslope near the AML reclamation site. The crack is approximately 6 to 8 feet long and 4 inches wide. The operator was advised to monitor the crack and to perform remedial work as necessary to preclude failure of the slope.

In addition, we observed an area where a small gully less than 9 inches deep is forming. It is located in area where the road meets the pad. We advised the operator to install a silt fence towards reducing erosion at that site. We also discussed packing such erosional features with straw and soil materials. The operator will complete additional remedial work along with the mulching and fertilization described above.

Lower Bench and Road:

The previous oversight inspection documented erosional problems on the lower bench and road. This inspection indicated the operator's recent attempts at correcting the problems. The operator used a small dozer to roughen the reclaimed surface, planted Ponderosa Pine seedlings, and seeded the area. The dozer created small depressions to trap moisture and reduce the rate of runoff. In at least two areas where this practice was employed the small depressions have already

been breached; thus new gullies are forming. Manipulating the surface with a dozer has basically created loose fill at the site of the depressions. Therefore, additional remedial work will be necessary to prevent enlargement of the small gullies. I measured the depth of two of the gullies forming at and below the small depressions and found that in at least in those two instances they were not deeper than 9 inches.

In addition, we observed a steep slope (estimated 1.5H:1V) located slightly north and to the west of the reclaimed ephemeral channel. DOGM is concerned about the slope with respect to revegetation failure on the lower pad (DOGM memorandum dated May 4, 1988). DOGM has recommended that the slope be reduced or that alternate methods such as reseeding and erosion control blanket be employed. The issue was not resolved at the time of the inspection however the operator is aware that additional work should be completed this fall.

Sediment Ponds:

The inspection of the sediment ponds indicated that the two structures are generally in good repair. The upper pond however is in need of some remedial work. Someone felled a large Ponderosa Pine located outside the upstream end of the upper pond for the purpose of collecting fire wood. However, the tree was felled in such a manner that it landed in the pond. The remaining debris, large branches and bark will have to be removed from the pond. We also measured the sediment level in the upper pond. Since the two ponds function in series the upper pond provides the sediment retention. The MRP estimates the sediment yield per year is .17 acre feet and that the 10 year 24 hour storm capacity is 1.23 acre feet with total pond capacity being 1.45 acre feet. We measured the sediment level at 7 inches below the invert of the spillway with the sediment being relatively flat from the upstream end to the downstream end of the pond. Therefore, the operator was advised to check sediment levels against the approved design and clean the pond as necessary to maintain the appropriate sediment capacity.

Close-Out:

The close-out meeting recounted the areas of concern observed during the inspection. The DOGM representative generally summarized the following:

- Bare areas on the upper and lower benches;
- The tension crack near the AML site on the upper road
- The steep slope on the lower bench;
- The erosion problems on both upper and lower benches;
- The wood debris in the upper sediment pond;
- The sediment level in the upper pond

Summary:

Other than the sediment pond concerns the remaining issues described herein have been the subject of ongoing work this summer and fall on the part of the operator in cooperation with DOGM. It is expected

that the work described herein will be completed before the onset of winter when such activities are normally precluded.

On November 2, 1988 I contacted the operator's representative for the purpose of confirming the location of the small gully that needs a silt fence. The representative also advised me that the company is proposing to reduce the crest of the steep slope on the lower pad and divert runoff, via a rock lined channel, from the upstream area to the reclaimed ephemeral channel and hydroseed the area upon completion of the earth work.

OFFICE OF STATE MINING RECLAMATION AND ENFORCEMENT
RANDOM SAMPLE MEIR SUPPLEMENT

1. Permittee Beaver Creek Coal Company
 2. Permit Number 015/004
 3. Joint Inspection Y Y/N 4. Date 10-27-88

5. Days since Last State Complete Inspection (LSCI) 37
 6. Block 25 Categories in NON-COMPLIANCE this RSI 0
 7. Total Violations this RSI 0

8. List (only once) all violations:
 1) where State enforcement was required and taken during the LSCI;
 2) recorded in the LSCI report but the State failed to take enforcement;
 3) observed during this RSI which clearly existed during the LSCI but the State failed to take enforcement; and;
 4) existing during this RSI which are not already listed under one of the categories above.

| LAW | A SPECIFIC STATE REGULATION VIOLATED | | | | | B BLOCK 25 CATEGORY | C ABATED (y/n) | D STATE ACTION | E REASON IF UNCITED | F CAUSE | G SERIOUSNESS PEO | H IMPACT | I OSMRE ACTION | J OPTIONAL | K |
|-----|---|---|---|---|---|------------------------|-------------------|-------------------|------------------------|------------|----------------------|-------------|-------------------|---------------|---|
| | 1 | 2 | 3 | 4 | 5 | | | | | | | | | | |
| 1. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 2. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 3. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 4. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 5. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 6. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 7. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 8. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 9. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |
| 10. | / | / | / | / | / | | | | | | | | | | |
| | Description: | | | | | | | | | | | | | | |

- | | | | | | |
|--|--|---|---|--|---|
| <p>STATE ACTION</p> <ul style="list-style-type: none"> 1) Existed on LSCI, cited 2) Existed on LSCI, not cited 3) Cited Prior to LSCI, Abatement Pending 4) Occurred since LSCI | <p>STATE'S REASON FOR NOT CITING VIOLATION (AFTER DISCUSSION WITH THE STATE)</p> <ul style="list-style-type: none"> 1) Not a Violation 2) Precluded by State Policy 3) Not included under State Program 4) Warning given in lieu of a Citation 5) Violation not recognized (missed) 6) Practice allowed under approved Permit 7) Too minor to cite 8) Working with Operator to Correct 9) Other: | <p>CAUSES</p> <ul style="list-style-type: none"> 1) Permit Defect 2) Unusual Weather Conditions 3) Unofficial Warmer 4) Operator Negligence 5) Other: | <p>PROBABILITY OF EVENT OCCURRENCE</p> <ul style="list-style-type: none"> 1) None or Unlikely 2) Likely 3) Occurred | <p>IMPACT</p> <p><u>Damage Remains Within the Permit Area</u></p> <ul style="list-style-type: none"> 1) None or Minor 2) Moderate 3) Considerable <p><u>Damage Extends Beyond the Permit Area</u></p> <ul style="list-style-type: none"> 4) None or Minor 5) Moderate 6) Considerable <p><u>Obstruction to Enforcement</u></p> <ul style="list-style-type: none"> 7) None or Minor 8) Moderate 9) Considerable | <p>OSMRE ACTION</p> <ul style="list-style-type: none"> 1) Deferred to State Action 2) TBN issued 3) 3H-CO issued 4) Previously Cited, Abatement Pending 5) Abated during or before OSMRE Inspection |
|--|--|---|---|--|---|