

SIC



**Mountain Coal Company**  
West Elk Mine  
Post Office Box 591  
Somerset, Colorado 81434  
Telephone 303 929-5015

*Mary Ann Wright*  
*Associate Director of Mining*  
*Utah Coal Regulatory Program*  
*1594 West North Temple, Suite 1210*  
*Box 145801*  
*Salt Lake City, Utah 84114-5801*

Re: *Submittal of 1996 Annual Reports*  
*Gordon Creek No. 2/7/8 Mines*  
*ACT/007/016; Folder #2*  
*Carbon County, Utah*

*Dear Ms. Wright:*

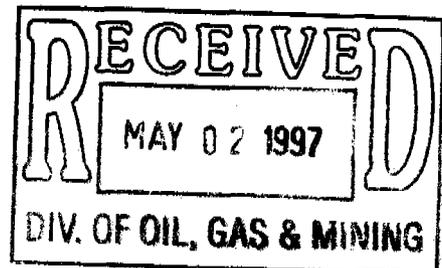
*Enclosed are 2 copies of the Annual Report for 1996 for the Gordon Creek No. 2/7/8 Mines.*

*The report is filed in the format provided by the Division.*

*Sincerely,*

*Dan W. Guy*  
*for*  
*Paige B. Beville*

cc: *Paige Beville*  
*File*



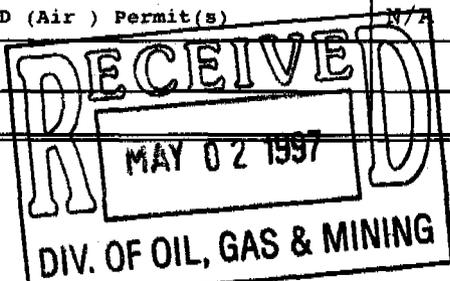
**GENERAL INFORMATION**

1. Permit Number	ACT/007/016
2. Mine Name	Gordon Creek No. 2/7/8 Mines
3. Permittee Name	Mountain Coal Company
4. Operator Name (if other than Permittee)	
5. Permit Expiration Date	08/28/99
6. Company Representative, Title	Paige B. Beville,
7. Phone Number	(303) 293-7913
8. Fax Number	(303) 293-4073
9. Mailing Address	Mountain Coal Company
	P.O. Box 591
	Somerset, Colorado 81434
10. Resident Agent, Title	The Corp Trust Co.
Mailing Address	1209 Orange Street
	Wilmington, DE 19801

**IDENTIFICATION OF OTHER PERMITS**

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID(s)	N/A		
2. MSHA Impoundment(s)	N/A		
3. NPDES/UPDES Permit(s) (water)	UTG 040004	UPDES Permit	04/30/98
4. PSD (Air ) Permit(s)	N/A		
5.			
6.			





**LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION**

Changes in administration or corporate structure can often bring about necessary changes to information found in the mining and reclamation plan. The Division is requesting that each permittee review and update the legal, financial, compliance and related information in the plan as part of the Annual Report. Provide the Department of Commerce, Annual Report of Officers, or other equivalent information as necessary to ensure that the information provided in the plan is current. Provide any other changes as necessary regarding land ownership, lease acquisitions, legal results from appeals of violations, or other changes as necessary to update information required in the mining and reclamation plan. Include any certified financial statements, audits or worksheets which may be required to meet bonding requirements. Specify whether the information is currently ON FILE with the Division or included as APPENDIX C to this Annual Report.

Legal/Financial Data:	Report Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Department of Commerce, Annual Report of Officers	X				X	
2. Other						

**MINE MAPS**

Copies of mine maps, current and up-to-date through at least December 31, 1996, are to be provided to the Division as APPENDIX D to this Annual Report in accordance with the requirements of R645-301-525.270. These map copies shall be made in accordance with 30 CFR 75.1200, as required by MSHA. Upon request, mine maps shall be kept confidential by the Division.

Map Number(s)	Map Title / Description	Confidential?
Plate 3-3	Gordon Creek No. 2 Mine	No
Plate 3-5	Gordon Creek No. 7 Mine	No
Plate 3-4	Gordon Creek No. 8 Mine	No

**OTHER INFORMATION**

Please provide any comments or further information to be included as part of the Annual Report. Any other attachments are to be provided as APPENDIX E to this Annual Report.

Additional attachments to this report?  No    Yes

---



---



---



---



---



---

# **APPENDIX A**

Certified Reports

Excess Spoil Piles  
Refuse Piles  
Impoundments

as required under R645-301-514

## **CONTENTS**

Annual Pond Certifications

*ANNUAL POND CERTIFICATIONS*

(POND REMOVED IN 1996)

MOUNTAIN COAL COMPANY

1996 ANNUAL POND INSPECTION REPORT

POND: Sed. Pond 2

LOCATION: G.C. 2/7/8

IMPOUNDMENTS

- (1) Stability N/A
- (2) Structural Weakness/Erosion N/A
- (3) Potential Safety Hazards N/A
- (4) Depth of Impounded Water N/A
- (5) Existing Storage Capacity N/A
- (6) Monitoring Procedures Quarterly Inspection.

SEDIMENT PONDS ONLY

- (7) Sediment Accumulation (Elev.) N/A
- (8) Sediment Cleanout Level (Elev.) N/A
- (9) Principle Spillway (Elev.) N/A
- (10) Emergency Spillway (Elev.) N/A
- (11) Existing Sediment Capacity (To Cleanout) N/A

GENERAL

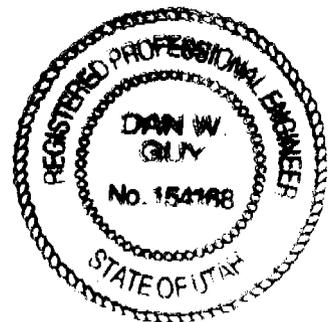
- (12) Comments/Recommendations N/A

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)

12/13/96  
(Date)



(POND REMOVED IN 1996)

MOUNTAIN COAL COMPANY

1996 ANNUAL POND INSPECTION REPORT

POND: Sed. Pond 7A

LOCATION: G.C. 2/7/8

IMPOUNDMENTS

- (1) Stability N/A
- (2) Structural Weakness/Erosion N/A
- (3) Potential Safety Hazards N/A
- (4) Depth of Impounded Water N/A
- (5) Existing Storage Capacity N/A
- (6) Monitoring Procedures Quarterly Inspection.

SEDIMENT PONDS ONLY

- (7) Sediment Accumulation (Elev.) N/A
- (8) Sediment Cleanout Level (Elev.) N/A
- (9) Principle Spillway (Elev.) N/A
- (10) Emergency Spillway (Elev.) N/A
- (11) Existing Sediment Capacity (To Cleanout) N/A

GENERAL

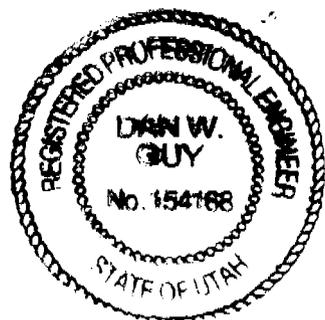
- (12) Comments/Recommendations N/A

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.

*Dan W. Guy*  
 (Signature)

12/13/96  
 (Date)



MOUNTAIN COAL COMPANY

1996 ANNUAL POND INSPECTION REPORT

POND: Sweet's Canyon

LOCATION: G.C. 2/7/8

IMPOUNDMENTS

- |                                 |  |
|---------------------------------|--|
| (1) Stability                   | <u>Slopes Stable. Vegetated.</u>                   |
| (2) Structural Weakness/Erosion | <u>None Noted.</u>                                 |
| (3) Potential Safety Hazards    | <u>None Noted.</u>                                 |
| (4) Depth of Impounded Water    | <u>60"</u>   |
| (5) Existing Storage Capacity   | <u>(2.10 acre feet) Pond Full. Not a Sed. Pond</u> |
| (6) Monitoring Procedures       | <u>Quarterly Inspection.</u>                       |

SEDIMENT PONDS ONLY

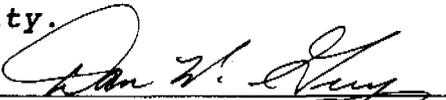
- |   |            |
|---|------------|
| (7) Sediment Accumulation (Elev.)             | <u>N/A</u> |
| (8) Sediment Cleanout Level (Elev.)           | <u>N/A</u> |
| (9) Principle Spillway (Elev.)                | <u>N/A</u> |
| (10) Emergency Spillway (Elev.)               | <u>N/A</u> |
| (11) Existing Sediment Capacity (To Cleanout) | <u>N/A</u> |

GENERAL

- |                               |   |
|-------------------------------|---|
| (12) Comments/Recommendations | <u>Pond for water fill and fish only. Operating properly.</u> |
|-------------------------------|---|

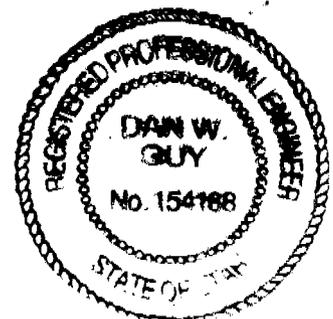
STATEMENT

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)

12/13/96

(Date)



MOUNTAIN COAL COMPANY

1996 ANNUAL POND INSPECTION REPORT

POND: 2/7/8 Sediment Pond

LOCATION: G.C. 2/7/8

IMPOUNDMENTS

(1) Stability	<u>Slopes Stable.</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. (Snow)</u>
(5) Existing Storage Capacity	<u>5.116 acre feet.</u>
(6) Monitoring Procedures	<u>Quarterly Inspection.</u> <u>U.P.D.E.S. Discharge.</u>

SEDIMENT PONDS ONLY

	<u>Cell #1</u>	<u>Cell #2</u>	<u>Cell #3</u>
(7) Sediment Accumulation (Elev.)	<u>7720.0</u>	<u>7713.0</u>	<u>7704.0</u>
(8) Sediment Cleanout Level (Elev.)	<u>7728.0</u>	<u>N/A</u>	<u>N/A</u>
(9) Principle Spillway (Elev.)	<u>7733.0</u>	<u>7723.0</u>	<u>7713.0</u>
(10) Emergency Spillway (Elev.)	<u>7733.0</u>	<u>7723.0</u>	<u>7713.0</u>
(11) Existing Sediment Capacity (To Cleanout)			

GENERAL

(12) Comments/Recommendations	<u>Cells 2 &amp; 3 Expanded in</u> <u>1996. Grouted, open channel</u> <u>spillways. 3 cells. No</u> <u>Inflow. No Discharge.</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)

12/13/96  
(Date)



## **APPENDIX B**

Reporting of Technical Data

including monitoring data, reports, maps, and other information  
as required under the approved plan  
or as required by the Division

in accordance with the requirements of R645-301-130 and R645-301-140.

### **CONTENTS**

Subsidence Monitoring Report

***SUBSIDENCE MONITORING REPORT***

**MOUNTAIN COAL COMPANY  
SUBSIDENCE MONITORING  
GORDON CREEK NO. 2 MINE**

<b>STATION</b>	<b>ORIGINAL ELEVATION 07/29/97</b>	<b>SURVEY ELEVATION 11/04/94</b>	<b>SURVEY ELEVATION 10/05/96</b>	<b>CHANGE LAST</b>	<b>CHANGE ACCUMULATED</b>
<i>SWEETS</i>	<i>9174.513</i>	<i>9174.513</i>	<i>9174.513</i>	<i>CONTROL</i>	<i>CONTROL</i>
<i>"H"</i>	<i>8849.120</i>	<i>8845.010</i>	<i>8845.010</i>	<i>0.000</i>	<i>-4.110</i>
<i>"A"</i>	<i>8653.167</i>	<i>8653.532</i>	<i>8653.530</i>	<i>0.000</i>	<i>0.363</i>
<i>"B"</i>	<i>8241.927</i>	<i>8241.987</i>	<i>8241.990</i>	<i>0.000</i>	<i>0.063</i>
<i>B-1</i>	<i>8542.205</i>	<i>8542.445</i>	<i>8542.435</i>	<i>-0.005</i>	<i>0.230</i>
<i>B-2</i>	<i>8557.768</i>	<i>8557.902</i>	<i>8557.880</i>	<i>-0.010</i>	<i>0.112</i>
<i>B-3</i>	<i>8571.868</i>	<i>8572.019</i>	<i>8572.020</i>	<i>0.000</i>	<i>0.152</i>
<i>B-4</i>	<i>8594.970</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<i>B-5</i>	<i>8590.990</i>	<i>8591.171</i>	<i>8591.145</i>	<i>-0.015</i>	<i>0.155</i>
<i>B-6</i>	<i>8652.996</i>	<i>8652.845</i>	<i>8652.842</i>	<i>0.002</i>	<i>-0.154</i>
<i>B-7</i>	<i>8635.952</i>	<i>8635.939</i>	<i>8635.920</i>	<i>0.000</i>	<i>-0.032</i>
<i>B-8</i>	<i>8893.432</i>	<i>8893.265</i>	<i>8893.260</i>	<i>-0.005</i>	<i>-0.172</i>
<i>B-9</i>	<i>8409.744</i>	<i>8409.768</i>	<i>NOT FOUND</i>	<i>-0.008</i>	<i>0.016</i>
<i>B-10</i>	<i>8792.587</i>	<i>8792.370</i>	<i>8792.373</i>	<i>0.003</i>	<i>-0.214</i>

- NOTE:**
- (1) THE AREA WAS WALKED BETWEEN ALL STATIONS. NO VISIBLE MOVEMENT, CRACKS OR OTHER RECENT SUBSIDENCE EFFECTS WERE NOTED DURING THE SURVEY.**
  - (2) STATION B-9 WAS NOT LOCATED**

**MOUNTAIN COAL COMPANY  
SUBSIDENCE MONITORING  
GORDON CREEK NO. 7 MINE**

<i>STATION</i>	<i>ORIGINAL ELEVATION 06/12/86</i>	<i>SURVEY ELEVATION 11/11/94</i>	<i>SURVEY ELEVATION 10/12/96</i>	<i>CHANGE LAST</i>	<i>CHANGE ACCUMULATED</i>
<i>SWEETS</i>	<i>9174.513</i>	<i>9174.513</i>	<i>9174.513</i>	<i>CONTROL</i>	<i>CONTROL</i>
<i>"H"</i>	<i>8849.120</i>	<i>8845.010</i>	<i>8845.010</i>	<i>0.000</i>	<i>-4.110</i>
<i>"I"</i>	<i>9040.049</i>	<i>9038.169</i>	<i>9038.170</i>	<i>0.000</i>	<i>-1.879</i>
<i>Sub-1</i>	<i>8295.284</i>	<i>8295.248</i>	<i>8295.250</i>	<i>0.000</i>	<i>-0.034</i>
<i>Sub-2</i>	<i>8416.227</i>	<i>8413.624</i>	<i>8413.510</i>	<i>-0.140</i>	<i>-2.717</i>
<i>Sub-4</i>	<i>9042.727</i>	<i>9040.159</i>	<i>9040.160</i>	<i>0.000</i>	<i>-2.567</i>
<i>Sub-5</i>	<i>9220.773</i>	<i>9220.911</i>	<i>9220.895</i>	<i>-0.005</i>	<i>0.122</i>
<i>Sub-6</i>	<i>8649.193</i>	<i>8646.244</i>	<i>8646.305</i>	<i>0.005</i>	<i>-2.888</i>
<i>Sub-7</i>	<i>8724.159</i>	<i>8723.177</i>	<i>8723.180</i>	<i>0.000</i>	<i>-0.979</i>
<i>Sub-8</i>	<i>8967.402</i>	<i>8966.353</i>	<i>8966.340</i>	<i>0.000</i>	<i>-1.062</i>
<i>Sub-9</i>	<i>8901.147</i>	<i>8899.720</i>	<i>8899.730</i>	<i>0.010</i>	<i>-1.417</i>
<i>Sub-10</i>	<i>8864.970</i>	<i>8863.511</i>	<i>8863.420</i>	<i>0.000</i>	<i>-1.550</i>
<i>Sub-11</i>	<i>9050.850</i>	<i>9049.627</i>	<i>9049.630</i>	<i>0.000</i>	<i>-1.220</i>
<i>Sub-12</i>	<i>8977.577</i>	<i>8975.328</i>	<i>8975.300</i>	<i>0.000</i>	<i>-2.277</i>
<i>Sub-13</i>	<i>8887.506</i>	<i>8885.027</i>	<i>8885.020</i>	<i>-0.010</i>	<i>-2.486</i>
<i>Sub-14</i>	<i>9059.611</i>	<i>9059.761</i>	<i>9059.761</i>	<i>0.001</i>	<i>0.150</i>
<i>Sub-15</i>	<i>9000.420</i>	<i>9000.517</i>	<i>9000.500</i>	<i>0.000</i>	<i>0.080</i>
<i>Sub-17</i>	<i>8905.849</i>	<i>8905.703</i>	<i>8905.711</i>	<i>0.011</i>	<i>-0.138</i>
<i>Sub-18</i>	<i>8662.317</i>	<i>8662.181</i>	<i>8662.190</i>	<i>0.000</i>	<i>-0.127</i>
<i>Sub-19</i>	<i>9098.256</i>	<i>9097.280</i>	<i>9097.203</i>	<i>-0.077</i>	<i>-1.053</i>
<i>Sub-20</i>	<i>8908.330</i>	<i>8906.068</i>	<i>8906.095</i>	<i>0.005</i>	<i>-2.235</i>
<i>Sub-21</i>	<i>8755.014</i>	<i>8754.497</i>	<i>8754.400</i>	<i>0.100</i>	<i>-0.614</i>
<i>Sub-22</i>	<i>8757.128</i>	<i>8755.285</i>	<i>8755.276</i>	<i>-0.039</i>	<i>-1.852</i>
<i>Sub-23</i>	<i>8788.448</i>	<i>8787.144</i>	<i>8787.242</i>	<i>0.102</i>	<i>-1.206</i>
<i>Sub-24</i>	<i>8762.659</i>	<i>8758.944</i>	<i>8758.740</i>	<i>-0.260</i>	<i>-3.919</i>

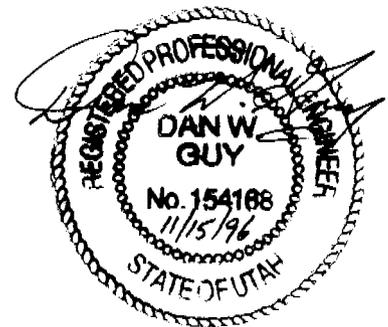
- NOTE:**
- (1) **THE AREA WAS WALKED BETWEEN ALL STATIONS. NO VISIBLE MOVEMENT, CRACKS OR OTHER RECENT SUBSIDENCE EFFECTS WERE NOTED DURING THE SURVEY, EXCEPT AS NOTED BELOW.**
  - (2) **A SMALL "SUBSIDENCE HOLE" WAS REPAIRED IN THE CANYON SOUTHWEST OF THE NO. 7 PORTAL. THE HOLE WAS APPROXIMATELY 30' LONG BY 15' WIDE BY 5' DEEP. THE LOCATION AS SHOWN ON PLATE 3-5 INDICATES IT IS LIKELY THE RESULT OF MOVEMENT ALONG A SMALL FAULT PLANE, SINCE NO PILLARS WERE PULLED IN THAT LOCATION.**

**MOUNTAIN COAL COMPANY  
 SUBSIDENCE MONITORING  
 GORDON CREEK NO. 8 MINE**

<b>STATION</b>	<b>ORIGINAL ELEVATION 10/09/88</b>	<b>SURVEY ELEVATION 11/04/94</b>	<b>SURVEY ELEVATION 10/19/96</b>	<b>CHANGE LAST</b>	<b>CHANGE ACCUMULATED</b>
SWEETS	9174.513	9174.513	9174.513	CONTROL	CONTROL
"H"	8849.120	8845.010	8845.010	CONTROL	CONTROL
SUB-25	8561.790	8560.870	8560.885	0.015	-0.905
SUB-26	8641.822	8638.415	8638.422	-0.078	-3.400
SUB-27	8615.259	8611.813	8611.810	0.000	-3.449

**NOTE:**

**THE AREA WAS WALKED BETWEEN ALL STATIONS. NO VISIBLE MOVEMENT, CRACKS OR OTHER RECENT SUBSIDENCE EFFECTS WERE NOTED DURING THE SURVEY. PAST SUBSIDENCE EFFECTS ARE SHOWN ON PLATE 3-4.**



## **APPENDIX C**

Legal, Financial, Compliance and Related Information

Annual Report of Officers  
as submitted to the Utah Department of Commerce  
and other changes in ownership and control information  
as required under R645-301-110.

### **CONTENTS**

No Change

## **APPENDIX D**

Mine Maps

as required under R645-301-525.270.

### **CONTENTS**

Gordon Creek No. 2 Mine

Gordon Creek No. 7 Mine

Gordon Creek No. 8 Mine

**RECEIVED**  
MAY 02 1997  
DIV. OF OIL, GAS & MINING

**LEGEND**

- ↑ INTAKE AIR
- ⇄ RETURN AIR
- PRIMARY ESCAPEWAY
- SECONDARY ESCAPEWAY
- BELTLINE
- || STOPPING
- || STOPPING W/ MAIN DOOR
- || EQUIPMENT DOOR
- SEAL
- OVERCAST
- DRILL HOLE
- OUTCROP
- ⊕ REGULATOR
- ⊕ BOX CHECK
- - - FAULT
- - - LEASE BOUNDARY

**NOTES**

1. ELEVATIONS SHOWN ARE ABOVE SEASIDE LEVEL
2. ON AVE. SURFACE OF THE CASTLEGATE 'A' SEAM IS 23 FT.
3. THERE ARE NO SHOOT POLES ABOVE THE SEAM
4. THERE ARE NO DR. OR GAS HOLE WITHIN 100 FT. OF THE SEAM
5. Average shaft depth for all shafts is approximately 23 FT.

▲ SUBSIDENCE MONITORING STATION

SUBSIDENCE HOLE REPAIRED 1998

COLUMBO FEE

CASTLEGATE 'A' OUTCROP

FEDERAL LEASE U-53150  
COLUMBO FEE

FEDERAL LEASE U-53150

FEDERAL LEASE U-8310 TRACT #3

STRIKE N 77° 50' W  
DIP 7 1/4°

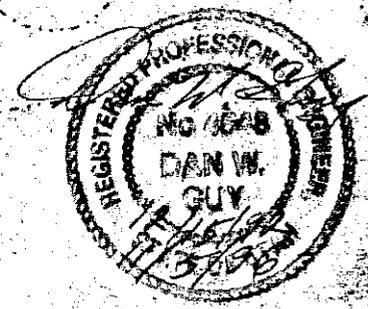
▲ 15

▲ 14

▲ 5

▲ 17

▲ 18



**MOUNTAIN COAL COMPANY**

GORDON CREEK NO. 7 MINE MAP  
CASTLEGATE 'A' SEAM  
CARBON COUNTY, UTAH  
10 Miles East of Highway 63 & B

SCALE: 1"=500' DATE: 3/4/88 DRAWN BY: J. Marshall

REV. 12-15-92

PLATE 3-6

# APPENDIX E

Other Information

in accordance with the requirements of R645-301 and R645-302.

## CONTENTS

N/A