



**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

**The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.**

<b>MINE NAME:</b> Frentress Gravel Pit	<b>MINE/PROSPECTING ID#:</b> M-2011-017	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Routt
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> snowing	<b>INSP. DATE:</b> December 3, 2025	<b>INSP. TIME:</b> 11:30
<b>OPERATOR:</b> J. Quarter Circle Mineral Co., LLC	<b>OPERATOR REPRESENTATIVE:</b> Call Camblin	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Surety Related	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$0.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Brock Bowles	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> December 9, 2025	

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

<b>(AR) RECORDS-----</b> <u>N</u>	<b>(FN) FINANCIAL WARRANTY-----</b> <u>Y</u>	<b>(RD) ROADS-----</b> <u>N</u>
<b>(HB) HYDROLOGIC BALANCE-----</b> <u>Y</u>	<b>(BG) BACKFILL &amp; GRADING-----</b> <u>N</u>	<b>(EX) EXPLOSIVES-----</b> <u>N</u>
<b>(PW) PROCESSING WASTE/TAILING----</b> <u>N</u>	<b>(SF) PROCESSING FACILITIES-----</b> <u>N</u>	<b>(TS) TOPSOIL-----</b> <u>Y</u>
<b>(MP) GENL MINE PLAN COMPLIANCE-</b> <u>Y</u>	<b>(FW) FISH &amp; WILDLIFE-----</b> <u>N</u>	<b>(RV) REVEGETATION----</b> <u>N</u>
<b>(SM) SIGNS AND MARKERS-----</b> <u>Y</u>	<b>(SP) STORM WATER MGT PLAN----</b> <u>N</u>	<b>(RS) RECL PLAN/COMP--</b> <u>N</u>
<b>(ES) OVERBURDEN/DEV. WASTE-----</b> <u>N</u>	<b>(SC) EROSION/SEDIMENTATION---</b> <u>N</u>	<b>(ST) STIPULATIONS-----</b> <u>N</u>
<b>(AT) ACID OR TOXIC MATERIALS-----</b> <u>N</u>	<b>(OD) OFF-SITE DAMAGE-----</b> <u>N</u>	

**Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited**

## OBSERVATIONS

This inspection was conducted by Brock Bowles of the Division of Reclamation, Mining and Safety (Division). Call Camblin of CRC, Inc. (operator) was present for the inspection. The Frentress Pit is located about 3 miles west of Hayden. The site is an active 110c operation with 9.9 acres permitted and the post-mining land use is pastureland. At the time of the inspection, it was overcast with flurries, cold and the ground was covered with about 3 inches of snow.

This inspection is being conducted as part of the SO2 process. The SO2 application was received by the Division on November 11, 2025 and was deemed incomplete on November 14, 2025. The Division has since received the requested materials for the application to be considered complete, and these materials are currently under review.

### Financial Warranty:

The Division currently holds a corporate surety and cash totaling \$37,914.53 for the reclamation of the Frentress Pit. A recent reevaluation, conducted as part of this SO2 inspection, established a new cost estimate of \$38,801. This represents a minor increase of \$887 (2.3%). Given the small difference, the Division will not require a surety increase at this time. The operator, CRC, Inc., has already submitted a conversion application (CN1) to expand the site's permitted acreage. The cost estimate will be reevaluated again during the CN1 process to account for the new mining plan. The updated cost estimate is attached to this report.

### Hydrologic Balance:

Water pooling was observed in the pit bottom. To comply with Colorado Stormwater regulations, the pit floor must be recontoured to allow for free water flow and prevent impoundment.

### Gen. Compliance With Mine Plan:

During the inspection, no mining activity was observed. Equipment on site included a front-end loader and a portable screening plant, neither of which was in operation (photo 1).

The main pit area is primarily depleted of gravel. Several product stockpiles were present in the pit (photos 2 & 3). An application (SO2) for conversion and expansion of the pit area has been submitted to the Division. Review of the subsequent CN1 application will commence once the SO2 application is approved. The pit walls generally exhibit a 1h:1v slope.

The topsoil on top of the hill north of the pit area had been salvaged (photo 4). This area was prepared for mining.

A scale and scale house were located along the haul road at the top of the hill.

### Signs and Markers:

The mine entrance sign was in place at the entrance gate facing CR 65. The entrance gate was closed upon arrival.

### Topsoil:

The topsoil stockpile is situated on the south side of the pit, above the pit area. Although some vegetation was visible through the snow, the amount of vegetative cover was difficult to determine. Due to the significant snow cover, it was not possible to verify the inadequate vegetation conditions noted in the July 2023 inspection, which had previously indicated insufficient vegetation to control erosion.

**PHOTOGRAPHS**



Photo 1- West side of mined area, with equipment staged.



Photo 2- The west end of the mined area, facing south. Mine access road in upper right side of the photo.



Photo 3- Eastern section of mined area.



Photo 4- Topsoil stockpile on northern section of mined area on top of the hill.

**Inspection Contact Address**

Call Camblin  
J. Quarter Circle Mineral Co., LLC  
801 8th Street, Suite 220  
Greeley, CO 80631

Enclosure- SO2 cost estimate

## COST SUMMARY WORK

Task description: \_\_\_\_\_

Site: Frentress Gravel Pit Permit Action: 2025 SO2 Permit/Job#: M2011017

### PROJECT IDENTIFICATION

Task #:	000	State:	Colorado	Abbreviation:	None
Date:	12/8/2025	County:	Routt	Filename:	M017-000
User:	BFB				

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
100	Push & Grade pit slopes to 3H:1V	DOZER	1	8.88	\$4,218
200	Placement of topsoil (9.0 ac. at 7" depth)	DOZER	1	5.85	\$2,778
300	Vegetate disturbed area	REVEGE	1	9.00	\$21,351
400	Mob./Demob. reclamation crew/equipment	MOBILIZE	1	2.80	\$2,853
<b><u>SUBTOTALS:</u></b>				<b>26.53</b>	<b>\$31,200</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$630
Performance bond:	1.05	Total =	\$328
Job superintendent:	15.96	Total =	\$1,199
Profit:	10.00	Total =	\$3,120
TOTAL O & P =		\$5,277	
CONTRACT AMOUNT (direct + O & P) =			\$36,477

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00	Total =	\$1,824

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$7,601

**TOTAL BOND AMOUNT (direct + indirect) = \$38,801**

BULLDOZER WORKTask description: Push & Grade pit slopes to 3H:1VSite: Frentress Gravel Pit Permit Action: 2025 SO2 Permit/Job#: M2011017PROJECT IDENTIFICATION

Task #:	<u>100</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>12/8/2025</u>	County:	<u>Routt</u>	Filename:	<u>M017-100</u>
User:	<u>BFB</u>				

Agency or organization name: DRMSHOURLY EQUIPMENT COST

Basic Machine:	<u>Cat D9T - 9SU</u>
Horsepower:	<u>405</u>
Blade Type:	<u>Semi-Universal</u>
Attachment:	<u>NA</u>
Shift Basis:	<u>1 per day</u>
Data Source:	<u>(CRG)</u>

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$275.01</u>	NA
Operating Cost/Hour:	<u>\$161.84</u>	100
Ripper own. Cost/Hour:	<u>\$0.00</u>	NA
Ripper op. Cost/Hour:	<u>\$0.00</u>	0
Operator Cost/Hour:	<u>\$38.02</u>	NA
Total unit Cost/Hour:	<u>\$474.87</u>	
Total Fleet Cost/Hour:	<u><b>\$474.87</b></u>	

MATERIAL QUANTITIES

Initial Volume:	<u>5,859</u>
Swell factor:	<u>1.120</u>
Loose volume:	<u><b>6,562</b> LCY</u>

Source of estimated volume:	<u>Highwall 1500' L x 20' H</u>
Source of estimated swell factor:	<u>Cat Handbook</u>

HOURLY PRODUCTION

Average push distance:	<u>100 feet</u>
Unadjusted hourly production:	<u>1,243.2 LCY/hr</u>

Materials consistency description: Compacted fill or embankment 0.9

Average push gradient:	<u>-10 %</u>
Average site altitude:	<u>6,380 feet</u>

Material weight: 2,550 lbs/LCYWeight description: Gravel - DryJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	<u>0.750</u>	(AVG.)
Material consistency:	<u>0.900</u>	(CAT HB))
Dozing method:	<u>1.200</u>	(SLOT)
Visibility:	<u>1.000</u>	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5943

Adjusted unit production: 738.83 LCY/hr

Adjusted fleet production: **738.83** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
Unit cost: \$0.643/LCY

Total job time: **8.88** Hours  
Total job cost: **\$4,218**

BULLDOZER WORKTask description: Placement of topsoil (9.0 ac. at 7" depth)Site: Frentress Gravel Pit Permit Action: 2025 SO2 Permit/Job#: M2011017PROJECT IDENTIFICATION

Task #:	<u>200</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>12/8/2025</u>	County:	<u>Routt</u>	Filename:	<u>M017-200</u>
User:	<u>BFB</u>				

Agency or organization name: DRMSHOURLY EQUIPMENT COST

Basic Machine:	<u>Cat D9T - 9SU</u>
Horsepower:	<u>405</u>
Blade Type:	<u>Semi-Universal</u>
Attachment:	<u>NA</u>
Shift Basis:	<u>1 per day</u>
Data Source:	<u>(CRG)</u>

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$275.01</u>	NA
Operating Cost/Hour:	<u>\$161.84</u>	100
Ripper own. Cost/Hour:	<u>\$0.00</u>	NA
Ripper op. Cost/Hour:	<u>\$0.00</u>	0
Operator Cost/Hour:	<u>\$38.02</u>	NA
Total unit Cost/Hour:	<u>\$474.87</u>	
Total Fleet Cost/Hour:	<u><b>\$474.87</b></u>	

MATERIAL QUANTITIES

Initial Volume:	<u>8,421</u>
Swell factor:	<u>1.000</u>
Loose volume:	<u><b>8,421</b> LCY</u>

Source of estimated volume:	<u>9.0 ac @ 7" deep</u>
Source of estimated swell factor:	<u>Cat Handbook</u>

HOURLY PRODUCTION

Average push distance:	<u>100 feet</u>
Unadjusted hourly production:	<u>1,243.2 LCY/hr</u>

Materials consistency description: Partly consolidated stockpile 1.1

Average push gradient:	<u>-10 %</u>
Average site altitude:	<u>6,380 feet</u>

Material weight: 1,600 lbs/LCYWeight description: Top SoilJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	<u>0.750</u>	(AVG.)
Material consistency:	<u>1.100</u>	(CAT HB)
Dozing method:	<u>1.200</u>	(SLOT)
Visibility:	<u>1.000</u>	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.1580

Adjusted unit production: 1,439.63 LCY/hr

Adjusted fleet production: **1439.63** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)  
Unit cost: \$0.330/LCY

Total job time: **5.85** Hours  
Total job cost: **\$2,778**

REVEGETATION WORK

Task description: Vegetate disturbed area

Site: Frentress Gravel Pit Permit Action: 2025 SO2 Permit/Job#: M2011017

PROJECT IDENTIFICATION

Task #: 300 State: Colorado Abbreviation: None  
 Date: 12/8/2025 County: Routt Filename: M017-300  
 User: BFB

Agency or organization name: DRMS

FERTILIZINGMaterials

Description	Units / Acre	Unit	Cost / Unit	Cost / Acre
Potassium nitrate, 13-46-0	40.00	pound	\$0.72	\$28.68
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$28.68</b>

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$46.17
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$46.17</b>

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$114.13
<b>Total Tilling Cost/Acre</b>	<b>\$114.13</b>

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alfalfa - Common	8.00	38.57	\$32.69
Smooth Brome - Lincoln	13.00	43.27	\$64.64
Intermediate Wheatgrass - Rush	20.00	42.70	\$96.88
<b>Totals Seed Mix</b>	41.00	124.54	<b>\$194.22</b>

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$242.30

	<b>Total Seed Application Cost/Acre</b>	<b>\$242.30</b>
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### **MULCHING and MISCELLANEOUS**

#### **Materials**

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$4.44	\$4.44
Straw, delivered	2.00	TON	\$504.56	\$1,009.12
<b>Total Mulch Materials Cost/Acre</b>				<b>\$1,013.56</b>

#### **Application**

<b>Description</b>	<b>Cost /Acre</b>
Crimping, with tractor {DMG survey data}	\$239.35
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, hand, non-aquatic area, nox. [DMG]	\$243.21
<b>Total Mulch Application Cost/Acre</b>	<b>\$624.13</b>

### **NURSERY STOCK PLANTING**

<b>Common Name</b>	<b>No / Acre</b>	<b>Type and Size</b>	<b>Planting Cost</b>	<b>Fertilizer Pellet Cost</b>	<b>Cost /Acre</b>
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

### **JOB TIME AND COST**

No. of Acres: 9Cost /Acre: \$2,263.19Estimated Failure Rate: 25%Cost /Acre\*: \$436.52\*Selected Replanting Work Items: SEEDINGInitial Job Cost: **\$20,368.71**Reseeding Job Cost: **\$982.17**Total Job Cost: **\$21,351**Job Hours: **9.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob./Demob. reclamation crew/equipment**Site: **Frentress Gravel Pit** Permit Action: **2025 SO2** Permit/Job#: **M2011017****PROJECT IDENTIFICATION**

Task #:	400	State:	Colorado	Abbreviation:	None
Date:	12/8/2025	County:	Routt	Filename:	M017-400
User:	BFB				

Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**

Shift basis: **1 per day**  
 Cost Data Source: **CRG Data**

Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED, 400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

**NON ROADABLE EQUIPMENT:**

Machine Description	Weight/Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	47.71	\$179.60	\$143.20	1	\$322.80	\$143.20	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$5.99	\$75.46	1	\$81.45	\$75.46	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$29.91	\$75.46	1	\$105.37	\$75.46	\$250.00

Subtotals: **\$509.62** **\$294.12** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$31.11	1	\$31.11	\$31.11

Subtotals: **\$31.11** **\$31.11**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: HAYDEN miles  
 Total one-way travel distance: 4.00 mph  
 Average Travel Speed: 20.00 mph

Total Non-Roadable Mob/Demob Cost \* \$2,840.74  
 \* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$12.44  
 \*\* one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.20	0.20
Return Time (Hours):	0.20	0.20
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.40	0.40

**JOB TIME AND COST**

Total job time: 2.80 Hours

Total job cost: \$2,853