



COLORADO

Division of Reclamation,
Mining and Safety


Department of Natural Resources

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.

MINE NAME: Marrs Memorials	MINE/PROSPECTING ID#: M-1977-168	MINERAL: Aggregate	COUNTY: Fremont
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: April 9, 2025	INSP. TIME: 09:00
OPERATOR: Colorado Quarries Inc	OPERATOR REPRESENTATIVE: Mr. Aaron Tezak	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$3,040.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: U.S.BLM
INSPECTOR(S): Jocelyn Carter	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 18, 2025

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Financial Warranty

PROBLEM #1: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The operator shall review the attached reclamation cost estimate and provide the Division with any comments by the corrective action due date. At that time, the Division will send a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 5/02/25

OBSERVATIONS

The Marris Memorial site, permit number M-1977-168, was inspected by me, Jocelyn Carter, on behalf of the Division of Reclamation, Mining, and Safety (Division/DRMS). Colorado Quarries is the operator for the permit and Mr. Aaron Tezak was present for the inspection on their behalf. The operation is on Federal lands owned by the Bureau of Land Management (BLM) and Mr. Daniel Pike was also present for the site visit portion of the inspection of the permit. The weather was clear with warm temperatures and the ground conditions were clear and dry.

The Marris Memorial permit is located approximately 4 miles southwest of the town of Texas Creek in Fremont County. The operation extracts granite material from the site by explosives or jack hammer for the purpose of cement casting materials. The site is an intermittent operation and was last active June 11, 2024, according to the annual report submitted on November 30, 2024.

Mining activities were not occurring at the time of the inspection and there was no equipment stored on site.

There is one problem being cited in this report. Problem #1 is for an inadequate financial warranty, see below for information about what was observed and see above for details regarding the corrective actions to resolve the problems.

Photos taken during the inspection are provided in this inspection report along with the Division's calculations of the reclamation cost estimate. Questions about this inspection report should be directed to me, Jocelyn Carter, by email at Jocelyn.carter@state.co.us or by phone at (720) 666-1065.

Records

The operator is up to date on annual reports, maps, and fees. There are no open infractions or enforcement items with the permit. The land is federally owned, while the minerals are privately owned. The post mining-land use is rangeland.

Hydrological Balance

No issues with the hydrologic balance were observed at the time of the inspection.

Processing Waste/Tailings

There is no processing waste associated with this permit.

General Mine Plan Compliance

There did not appear to be an issue with the activities occurring and the approved mining plan.

Signs and Markers

A mine sign is posted at the site in accordance with Rule 3.1.12(1). The boundary markers for the permitted area are marked with white PVC pipes and were in place. The posts are difficult to access due to the terrain and talus nature of the area, but each one was observed to be in place of the approved permitted area.

Acid or Toxic Materials

Acid or toxic materials are not associated with this permit; no petroleum materials are stored on site.

Financial Warranty

The bond amount being held by the Division is \$3,040.00 and BLM holds a rider in the amount of \$229.00. The

required financial warranty was recalculated by the Division for this inspection and the current amount was found to be insufficient. The calculated reclamation cost estimate (RCE) is attached with this report and the total amount was calculated to be \$4,843.00. A problem is cited in this report for the financial warranty, see Problem #1 above for details regarding the required corrective action.

Processing Facilities

Material is hauled to Canon City for processing, according to the approved mining plan.

Fish & Wildlife

There did not appear to be a negative impact caused by mining activities on the wildlife in the area.

Erosion/Sedimentation

There did not appear to be an issue with erosion or sedimentation at the time of the inspection.

Roads

There is one small road, approximately 200 feet in length on the site. The road is in good condition and is stable.

Explosives

The permit is approved to blast and drill to break up the granite rock. The last blasting event occurred about six (6) years ago, per Mr. Tezak. Explosive materials and equipment are not stored on site.

Topsoil

The site is dominated by granite rock outcroppings, there is no topsoil from the affected area. The reclamation plan calls for harvesting topsoil from the nearby valley.

Revegetation

There did not appear to be an issue with noxious weeds in the permit area. The BLM does assist with weed management in the area of the permit.

Reclamation Plan/ Compliance

According to the approved reclamation plan, a highwall of no more than 40 feet will remain in place. The quarry floor and road will be topsoiled and seeded at a slope between 5% and 15%. The highwall appeared to be about 30 feet in height. There were no issues observed regarding the approved reclamation plan.

PHOTOGRAPHS



Photo #1: Southwest permit boundary marker.



Photo #2: Northwest permit boundary marker, circled in red.



Photo #3: Southeast permit boundary marker, circled in red.



Photo #4: Northeast permit boundary marker, circled in red.



Photo #7: East area of permit, looking east; area of most recent activity.



Photo #6: Highwall, looking north.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

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

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

Inspection Contact Address

Mr. Aaron Tezak
Colorado Quarries Inc
270 S 15th St
Canon City, CO 81212

Enclosure: Division's Reclamation Cost Estimate

CC: Amy Eschberger, DRMS
Daniel Pike, BLM
Nicole Martin, Colorado Quarries Inc.

COST SUMMARY WORK

Task description: Cost Summary

Site: Marrs Memorials

Permit Action: 2025 Insp

Permit/Job#: M1977168

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/9/2025

County: Fremont

Filename: M168-000

User: JLC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Spread Topsoil (assume 1 acre)	DOZER	1	4.05	\$439
002	Reveg	REVEGE	1	3.00	\$677
003	Mob/Demob Equip.	MOBILIZE	1	3.66	\$2,429
<u>SUBTOTALS:</u>				10.71	\$3,545

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$72

Performance bond: 1.05

Total = \$37

Job superintendent: 5.36

Total = \$424

Profit: 10.00

Total = \$354

TOTAL O & P = \$888

CONTRACT AMOUNT (direct + O & P) = \$4,433

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$188

Reclamation management and/or administration: 5.00

\$222

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,298

TOTAL BOND AMOUNT (direct + indirect) = \$4,843

BULLDOZER WORKTask description: Spread Topsoil (assume 1 acre)Site: Marrs MemorialsPermit Action: 2025 InspPermit/Job#: M1977168**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 4/9/2025County: FremontFilename: M168-001User: JLCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D5N LGP - 5PHorsepower: 96Blade Type: Power Angle TiltAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$39.33	NA
Operating Cost/Hour:	\$30.60	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.59	NA

Total unit Cost/Hour: \$108.52Total Fleet Cost/Hour: \$108.52**MATERIAL QUANTITIES**Initial Volume: 807Swell factor: 1.000Loose volume: 807 LCYSource of estimated volume: 1 Acre @ 6" deepSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 150 feetUnadjusted hourly production: 205.2 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 6,800 feetMaterial weight: 2,100 lbs/LCYWeight description: Earth - Loam**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.900	(AB.AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9717

Adjusted unit production: 199.39 LCY/hr

Adjusted fleet production: **199.39** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.544/LCY

Total job time: **4.05** Hours

Total job cost: **\$439**

REVEGETATION WORKTask description: RevegSite: Marrs MemorialsPermit Action: 2025 InspPermit/Job#: M1977168PROJECT IDENTIFICATIONTask #: 002State: ColoradoAbbreviation: NoneDate: 4/9/2025County: FremontFilename: M168-002User: JLCAgency or organization name: DRMSFERTILIZING**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	4.00	12.95	\$69.17
Sand Dropseed	0.20	23.88	\$2.60
Yellow Sweet Clover - Madrid	1.10	6.57	\$4.98
Western Wheatgrass - Arriba	3.00	7.58	\$27.10
Totals Seed Mix	8.30	50.96	\$103.85

Application

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Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
Total Mulch Materials Cost/Acre				\$0.00

Application

Description	Cost /Acre
	\$
Total Mulch Application Cost/Acre	\$0.00

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
Juniper, Rocky Mountain	50	Bare root seedling, 11-16 inch ht. (MEANS)	\$2.74	\$0.00	\$137.00
Sumac, Smooth	50	Tubling, 3 cu. in. container (MEANS)	\$1.28	\$0.00	\$64.00
Totals Nursery Stock Cost / Acre					\$201.00

JOB TIME AND COST

No. of Acres: 1 Cost /Acre: \$541.49
 Estimated Failure Rate: 25% Cost /Acre*: \$541.49
 *Selected Replanting Work Items: SEEDING,NURSERY

Initial Job Cost: **\$541.49**
 Reseeding Job Cost: **\$135.37**
 Total Job Cost: **\$677**
 Job Hours: **3.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob Equip.**Site: **Marrs Memorials**Permit Action: 2025 InspPermit/Job#: M1977168**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 4/9/2025County: FremontFilename: M168-003User: JLCAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

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 D4K LGP - 4P	10.10	\$35.79	\$59.44	1	\$95.23	\$59.44	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00

Subtotals: **\$296.15** **\$178.32** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
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Subtotals: **\$0.00** **\$0.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	CAÑON CITY	
Total one-way travel distance:	30.00	miles
Average Travel Speed:	45.00	mph

Total Non-Roadable Mob/Demob Cost *	\$2,428.78
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$0.00
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.67	0.67
Return Time (Hours):	0.67	0.67
Loading Time (Hours):	0.25	NA
Unloading Time (Hours):	0.25	NA
Subtotals:	1.83	1.33

JOB TIME AND COST

Total job time:	3.67	Hours
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Total job cost:	\$2,429
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