




**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> Holsinger Gravel Pit	<b>MINE/PROSPECTING ID#:</b> M-1980-052	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Jackson
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> Cloudy/Clear	<b>INSP. DATE:</b> September 11, 2023	<b>INSP. TIME:</b> 12:15
<b>OPERATOR:</b> Keith Holsinger	<b>OPERATOR REPRESENTATIVE:</b> Keith Holsinger	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$20,000.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Hunter Ridley	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> September 28, 2023	

**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.

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

## **OBSERVATIONS**

The Holsinger Gravel Pit was inspected by Hunter Ridley with the Division of Reclamation, Mining and Safety (Division) as part of the Division's monitoring inspection program. Mr. Keith Holsinger was present during the inspection. The site was previously inspected by the Division on June 25, 2020. The site is located approximately 3 miles southeast of Walden, CO on State Highway 14. The site is an 110c operation permitted for 9.9 acres. The site was not active during the inspection and appeared unchanged since the last inspection. The Operator noted that hauling has been the only activity occurring at the site for a number of years. The last date of hauling activity was in summer 2023.

An entrance sign was posted as required by Rule 3.1.12 (Photo 1) and t-posts mark all corners of the permit boundary (Photo 2). These boundary lines were re-surveyed in 2020 and an updated boundary line map was submitted to the Division. This ensures that the affected area has historically been and will continue to remain within the 9.9 maximum permitted area. Approximately 4 acres are currently disturbed at the site in the form of an excavated pit. This includes one mined slope to the east at about a 2H:1V slope (Photos 5, 9, and 10) and three other mined slopes to the north, south, and west at 2H:1V or lower (Photos 6 -8). These mines slopes appeared stable with no erosion features observed during the inspection. The pit floor and slopes are covered with volunteered vegetation. The operation is still in Stage 1 of mining and excavation is 10-12 ft deep.

One dozer is located on the pit floor near the eastern highwall. One product stockpile of crushed rock is located east of the current highwall (Photo 4). A firewood operation which includes a pile of logs and a wood splitter which were originally located north of the pit floor have been removed from the boundary of the mining operation (Photo 3). The Operator stated that weed spraying occurs on an as needed basis, however most of the vegetated portions of this site have never been disturbed and so are mostly populated with native vegetation. This has allowed most volunteer vegetation at the site to also be native species. No noxious weeds were identified during the inspection.

The approved post-mining land use is rangeland. No reclamation was completed since the last inspection. A large well-vegetated topsoil stockpile is located in the southwest corner of the site near the entrance road (Photo 11). As per the reclamation plan, mined slopes will be graded to 3H:1V and the haul road will be regraded. Segregated overburden as well as reject material piles located on the pit floor will be used for backfilling slopes.

The Division currently holds a financial warranty amount of, \$20,000.00 for this site. The bond was last assessed post inspection in 2019. In an effort to ensure the Financial Warranty adequately reflects the actual current cost of fulfilling the requirements of the approved reclamation plan, the Division has updated the reclamation cost estimate. The Division has found the current bond to be **inadequate** for reclamation of the site. The updated required bond amount is \$33,760.00. This is an **increase of \$13,760.00**. A copy of staff calculations has been attached with this report. A notice of surety increase will be sent under separate cover.

Photographs taken during the inspection have been included below. Responses to this inspection report should be directed to: Hunter Ridley at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 720-868-7757 or via email at [hunter.ridley@state.co.us](mailto:hunter.ridley@state.co.us).



## PHOTOGRAPHS



**Figure 1: Mine signage is located at the entrance to the pit.**



**Figure 2: Pit boundaries are marked with t-posts, this post represents the northeastern most corner of the pit.**





**Figure 3: View south along the eastern boundary line of the pit, the logging operation has been moved out of the pit boundaries.**



**Figure 4: View southwest of a stockpile and unmined area of the pit.**





**Figure 5: View north and down onto the pit and highwall.**



**Figure 6: View northwest into the excavated portion of the pit.**





**Figure 7: View north from atop the highwall.**



**Figure 8: View west down into the pit from atop the highwall.**





**Figure 9: View east of the eastern highwall.**



**Figure 10: View southwest of the excavated pit and highwall.**





**Figure 11: The site's topsoil pile is located along the northern access road.**

**Inspection Contact Address**

Keith Holsinger  
P.O. Box 37  
Walden, CO 80480



## COST SUMMARY WORK

Task description: Created post inspection 2023

Site: Holsinger Gravel Pit

Permit Action: 2023 Insp

Permit/Job#: M1980052

### PROJECT IDENTIFICATION

Task #: HCR

State: Colorado

Abbreviation: None

Date: 9/28/2023

County: Jackson

Filename: M052-HCR

User: HR1

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Backfill & Grade 2:1 slopes to 3:1	DOZER	1	17.71	\$7,836
002	Placement of topsoil @ 12 in	DOZER	1	29.16	\$12,900
003	Seeding current disturbance	REVEGE	1	5.00	\$1,676
004	Mob/Demob	MOBILIZE	1	9.33	\$3,968
<b><u>SUBTOTALS:</u></b>				<b>61.2</b>	<b>\$26,380</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02  
Performance bond: 1.05  
Job superintendent: 35.72  
Profit: 10.00

Total = \$533

Total = \$277

Total = \$2,325

Total = \$2,638

TOTAL O & P = \$5,773

CONTRACT AMOUNT (direct + O & P) = \$32,153

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$1,608

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$7,380

**TOTAL BOND AMOUNT (direct + indirect) = \$33,760**



**BULLDOZER WORK**Task description: **Backfill & Grade 2:1 slopes to 3:1**Site: **Holsinger Gravel Pit** Permit Action: **2023 Insp** Permit/Job#: **M1980052****PROJECT IDENTIFICATION**

Task #: **001** State: **Colorado** Abbreviation: **None**  
 Date: **9/28/2023** County: **Jackson** Filename: **M052-001**  
 User: **HR1**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

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

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$238.76	NA
Operating Cost/Hour:	\$162.29	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$442.35**  
 Total Fleet Cost/Hour: **\$442.35**

**MATERIAL QUANTITIES**

Initial Volume: **3,700**  
 Swell factor: **1.000**  
 Loose volume: **3,700 LCY**

Source of estimated volume: **Division of Reclamation, Mining & Safety**  
 Source of estimated swell factor: **Cat Handbook**

**HOURLY PRODUCTION**

Average push distance: **300 feet**  
 Unadjusted hourly production: **437.8 LCY/hr**

Materials consistency description: **Consolidated stockpile 1.0**

Average push gradient: **0 %**  
 Average site altitude: **8,000 feet**

Material weight: **2,100 lbs/LCY**Weight description: **Earth - Loam****Job Condition Correction Factor**

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



Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4771

Adjusted unit production: 208.87 LCY/hr

Adjusted fleet production: **208.87** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$2.118/LCY

Total job time: **17.71** Hours

Total job cost: **\$7,836**



**BULLDOZER WORK**Task description: **Placement of topsoil @ 12 in**Site: **Holsinger Gravel Pit**Permit Action: **2023 Insp**Permit/Job#: **M1980052****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **9/28/2023**County: **Jackson**Filename: **M052-002**User: **HR1**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$238.76	NA
Operating Cost/Hour:	\$162.29	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$442.35**Total Fleet Cost/Hour: **\$442.35****MATERIAL QUANTITIES**Initial Volume: **8,000**Swell factor: **1.000**Loose volume: **8,000 LCY**Source of estimated volume: **Exhibit L**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **300 feet**Unadjusted hourly production: **437.8 LCY/hr**Materials consistency description: **Consolidated stockpile 1.0**Average push gradient: **0 %**Average site altitude: **8,000 feet**Material weight: **1,600 lbs/LCY**Weight description: **Top Soil****Job Condition Correction Factor**

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



Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6266

Adjusted unit production: 274.33 LCY/hr

Adjusted fleet production: **274.33** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.612/LCY

Total job time: **29.16** Hours

Total job cost: **\$12,900**

**REVEGETATION WORK**Task description: Seeding current disturbanceSite: Holsinger Gravel PitPermit Action: 2023 InspPermit/Job#: M1980052**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 9/28/2023County: JacksonFilename: M052-003User: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Russian Wildrye - VNS	8.00	32.14	\$47.36
<b>Totals Seed Mix</b>	<b>8.00</b>	<b>32.14</b>	<b>\$47.36</b>

**Application**

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00



<b>Total Seed Application Cost/Acre</b>	<b>\$232.00</b>
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**MULCHING and MISCELLANEOUS****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres:	5	Cost /Acre:	\$279.36
Estimated Failure Rate:	20%	Cost /Acre*:	\$279.36
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	<b>\$1,396.80</b>
Reseeding Job Cost:	<b>\$279.36</b>
Total Job Cost:	<b>\$1,676</b>
Job Hours:	<b>5.00</b>

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob**Site: **Holsinger Gravel Pit**Permit Action: 2023 InspPermit/Job#: M1980052**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 9/28/2023County: JacksonFilename: M052-004User: HR1Agency 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

**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 D9T - 9SU	60.01	\$238.76	\$175.95	1	\$414.71	\$175.95	\$250.00
Subtotals:					<b>\$414.71</b>	<b>\$175.95</b>	<b>\$250.00</b>

**ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$15.83	1	\$15.83	\$15.83
Drill/Broadcast Seeder with Tractor	\$14.81	1	\$14.81	\$14.81
Power Mulcher (Bowie LD-90)	\$57.02	1	\$57.02	\$57.02
Subtotals:			<b>\$87.66</b>	<b>\$87.66</b>



**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:

STEAMBOAT  
SPRINGSTotal one-way travel distance: 60.00 milesAverage Travel Speed: 45.00 mphTotal Non-Roadable Mob/Demob Cost \*  
    \*\* two round trips with haul rig: \$3,733.93Total Roadable Mob/Demob Cost \*\*  
    \*\* one round trip, no haul rig: \$233.76**Transportation Cycle Time:**

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.33	1.33
Return Time (Hours):	1.33	1.33
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	4.67	2.67

**JOB TIME AND COST**Total job time: 9.33 HoursTotal job cost: \$3,968