




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: Wyman Pit	MINE/PROSPECTING ID#: M-1983-037	MINERAL: Sand and gravel	COUNTY: Routt
INSPECTION TYPE: Monitoring	INSPECTOR(S): Tabetha Lynch	INSP. DATE: December 2, 2021	INSP. TIME: 14:00
OPERATOR: Louis M. Wyman	OPERATOR REPRESENTATIVE: David Wyman	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$9,674.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: December 21, 2021	

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>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</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 Tabettha Lynch of the Division of Reclamation, Mining and Safety (Division) as part of the Division's routine monitoring inspection program. The Wyman pit is a 110c permitted site that includes a total of 9.5 permitted acres. The site was in temporary from 2015 to 2019. The bond currently held by the Division is \$9,674. The bond calculation has been updated as part of this inspection with current estimated costs for reclamation. The bond was last updated in 2010 with SI-1. The site is located 2 miles south of Pagoda, CO, accessed from Routt County Rd 67 (40.314498, -107.407535). David Wyman was present during the inspection.

Approximately 7 acres appear to be affected by mining. The previous inspection identified exposed groundwater that was filled in as a corrective action from the 2016 inspection. That area was dry at the time of this inspection. The permit states that no water will be encountered or needed while mining. The area noted in the 2016 inspection as exposed groundwater appears to have a natural spring or perched water that is above the expected water table. There is no well permit for exposed groundwater so this area will need to remain covered.

During the inspection, the weed control plan and reclamation plan were discussed with the operator. If the operator wishes to modify the currently approved weed management plan or seed mix in the reclamation plan that should be done with a revision to the Division prior to initiating the change. There were a few weeds noted at the entrance to the mining area and on the pit floor. Weeds appeared to be limited in scope and weed management should continue to be followed, but this was not noted as an issue during the inspection.

The affected area was marked by t-posts and a new entrance sign was present (photo below). A well is present on-site that was determined to be not related to mining during the 2016 inspection. The site was not active at the time of inspection and no equipment was present. The high wall appeared to be 25-30ft and stable. No wildlife impacts were observed. The surface and mineral ownerships are private. The annual reports and maps have been provided as required. No mine waste was noted at the site. A few stock piles of product were present. Photos of the site are provided below.

Please take note of the updated reclamation cost estimate provided with this report. This calculation incorporated the current 2021 equipment costs to the existing tasks for reclamation at the site. **The cost increase will initiate a Surety Increase (SI-2) by the Division on January 7, 2021, if no comments are provided.** If you would like to discuss this calculation please contact the Division prior to the initiation of SI-2.

PHOTOGRAPHS



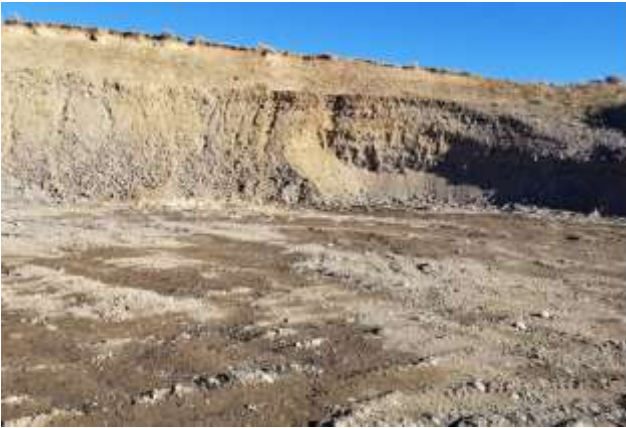
Google image of the site with entrance coordinates



Mine entrance sign



Pit overview from access road looking northeast



High wall looking southeast



t-post affected area marker



Looking north, small piles of product and access road

Highwall reduction:

Approximate length of highwall = 500 feet

Approximate average current slope = 1H:1V

Required final slope = 3H:1V

Volume of material to be moved calculated as follows:

Area = $.5(15 \text{ ft.} \times 45 \text{ ft.}) - .5(15 \text{ ft.} \times 15 \text{ ft.}) = 225 \text{ ft.}^2$

Volume = $225 \text{ ft.}^2 \times 500 \text{ ft.} = 112,500 \text{ ft.}^3 = 4,167 \text{ yds.}^3$

Cut and fill procedure yields average push distance of 15 ft.

Inspection Contact Address

David Wyman
Louis M. Wyman
4600 E. Hwy. 40
Craig, CO 81625

Enclosure

CC: Jason Musick, Senior EPS, DRMS

COST SUMMARY WORK

Task description: Wyman Inspection Update

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 12/21/2021

County: Routt

Filename: M037-000

User: TNL

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Highwall reduction	DOZER	1	12.25	\$2,895
002	Topsoil application 5 acres at 6 inches	DOZER	1	4.47	\$1,124
003	Reveg of 5 acres	REVEGE	1	40.00	\$8,124
004	equip mob	MOBILIZE	1	5.71	\$2,660
<u>SUBTOTALS:</u>				62.43	\$14,803

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$299

Performance bond: 1.05

Total = \$155

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$1,480

TOTAL O & P = \$1,935

CONTRACT AMOUNT (direct + O & P) = \$16,738

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: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$2,435

TOTAL BOND AMOUNT (direct + indirect) = \$17,238

BULLDOZER WORK

Task description: Highwall reduction

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 12/21/2021

County: Routt

Filename: M037-001

User: TNL

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: NA

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$97.46	NA
Operating Cost/Hour:	\$97.63	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:	\$236.39	
Total Fleet Cost/Hour:	\$236.39	

MATERIAL QUANTITIES

Initial Volume: 4,167

Swell factor: 1.000

Loose volume: **4,167** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell
factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet

Unadjusted hourly
production: 1,400.0 LCY/hr

Materials consistency
description: Dry, non-cohesive 0.8

Average push
gradient: 0 %

Average site altitude: 6,700 feet

Material weight: 3,300 lbs/LCY

Weight description: Decomposed rock - 75% Rock, 25% Earth

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.800	(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:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.2430

Adjusted unit
production: 340.20 LCY/hr

Adjusted fleet
production: **340.2** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.695/LCY

Total job time: **12.25** Hours

Total job cost: **\$2,895**

BULLDOZER WORK

Task description: Topsoil application 5 acres at 6 inches

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 12/21/2021

County: Routt

Filename: M037-002

User: TNL

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Horsepower: 310

Blade Type: Semi-Universal

Attachment: 3-shank ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$97.46	NA
Operating Cost/Hour:	\$97.63	100
Ripper own. Cost/Hour:	\$15.19	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA
Total unit Cost/Hour:	\$251.58	
Total Fleet Cost/Hour:	\$251.58	

MATERIAL QUANTITIES

Initial Volume: 4,033

Swell factor: 1.000

Loose volume: **4,033** LCY

Source of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell
factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet

Unadjusted hourly
production: 1,400.0 LCY/hr

Materials consistency
description: Loose stockpile 1.2

Average push
gradient: 0 %

Average site altitude: 6,700 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:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6445

Adjusted unit
production: 902.30 LCY/hr

Adjusted fleet
production: **902.3** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.279/LCY

Total job time: **4.47** Hours

Total job cost: **\$1,124**

REVEGETATION WORK

Task description: Reveg of 5 acres

Site: Wyman Pit Permit Action: 2021 Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 003 State: Colorado Abbreviation: None
Date: 12/21/2021 County: Routt Filename: M037-003
User: TNL

Agency or organization name: DRMS

FERTILIZING

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
Chisel plowing {DMG}	\$96.50
Total Tilling Cost/Acre	\$96.50

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluegrass - Sherman	1.05	21.69	\$8.90
Pubescent Wheatgrass - Luna	5.60	11.57	\$19.04
Tall Fescue - Fawn E.F.	2.00	10.42	\$3.85
Totals Seed Mix	8.65	43.69	\$31.79

Application

Description	Cost /Acre
Tractor spreader (MEANS 32 92 19.14 0100)	\$540.14
Total Seed Application Cost/Acre	\$540.14

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$307.02	\$614.04
Total Mulch Materials Cost/Acre				\$614.04

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$71.57
Total Mulch Application Cost/Acre	\$71.57

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$

Totals Nursery Stock Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres:	5	Cost /Acre:	\$1,354.04
Estimated Failure Rate:	20%	Cost /Acre*:	\$1,354.04
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$6,770.20		
Reseeding Job Cost:	\$1,354.04		
Total Job Cost:	\$8,124		
Job Hours:	40.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Equip mob

Site: Wyman Pit

Permit Action: 2021

Permit/Job#: M1983037

PROJECT IDENTIFICATION

Task #: 004
Date: 12/21/2021
User: TNL

State: Colorado
County: Routt

Abbreviation: None
Filename: M037-004

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:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$21.28	\$37.94	\$47.67
Operating Cost/Hour:	\$26.55	\$50.48	\$56.21
Operator Cost/Hour:	\$20.54	\$20.54	\$20.54
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$68.37	\$132.49	\$147.95

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 D8T - 8SU	47.71	\$97.46	\$132.49	1	\$229.95	\$132.49	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$7.98	\$68.37	1	\$76.35	\$68.37	\$250.00

Subtotals:

\$306.30	\$200.86	\$500.00
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ROADABLE EQUIPMENT:

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

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: HAYDEN

Total one-way travel distance: 15.00 miles

Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost * \$2,659.91

 ** 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):	0.43	0.43
Return Time (Hours):	0.43	0.43
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	2.86	0.86

JOB TIME AND COST

Total job time: 5.71 Hours

Total job cost: \$2,660