



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: Spotted Burro Pit	MINE/PROSPECTING ID#: M-1979-192	MINERAL: Sand and gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: January 9, 2025	INSP. TIME: 09:00
OPERATOR: Rockbottom, LLC	OPERATOR REPRESENTATIVE: Beckie Kagan	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$112,405.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
INSPECTOR(S): Jocelyn Carter	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: February 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. The calculated financial warranty based on the observed disturbances and the approved reclamation plan is \$194,593.00; \$82,188.00 more than the current financial warranty or \$112,405.00.

CORRECTIVE ACTIONS: The operator shall review the attached reclamation cost estimate and provide the Division with any comments and/or any additional documents regarding the calculations or any reclamation works that have been completed. If the operator does not have comments, the operator shall submit adequate financial warranty, as determined by the Division. The Division will be sending 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: 3/11/25

OBSERVATIONS

The Spotted Burro Pit, Permit No. M-1979-192, was inspected by me, Jocelyn Carter, on behalf of the Division of Reclamation, Mining, and Safety (Division/DRMS). The permittee of the mining operation is Rockbottom, LLC, which was represented by Beckie Kagan during the inspection. The weather was clear with cold temperatures at the time of the inspection and there was about 6 inches of snow on the ground.

Spotted Burro Pit is a 112c construction regular surface mining operation permitted for 87.5 acres, extracting sand and gravel. The surface and mineral rights are privately owned with most of the permitted area owned by Rockbottom, LLC. The site is located about 5.6 miles east of Canon City in Fremont County. To access the site from the intersection of U.S. Highway 50 and Colorado Highway 115, travel west on U.S. Highway 50 for 4.1 miles, then travel north on Phantom Canyon Rd for 1.6 miles, and then east on County Road 123 for 0.8 miles. The mine sign is posted on the south side of the road, near the permit entrance.

Mining activity was not occurring at the time of the inspection. The target layer is 15 feet thick with three to five feet of overburden above. The permit was accessible, but with the snow on the ground and out of abundant precaution, some portions of the operation were not inspected during the site visit. The permit boundary markers were not verified, and the settling pond were not visually inspected. Ms. Kagan did confirm that permit boundary markers were in place and that there have not been any issues with the settling pond.

A problem is being cited for the financial warranty in this report. Details about the problem are given below under the Financial Warranty section below, see Problem #1 above for information about the corrective action.

Photos taken during the inspection are included in this report along with a map that was created for reference purposes. Any questions about this inspection report should be directed to me by email at Jocelyn.carter@state.co.us or by phone at (720) 666-1065.

A hardcopy of this report is available by request only.

Records

There are no open infractions or enforcement issues with the permit. The annual report, map, and fee were received October 13, 2024. Both the mineral rights and the surface rights are privately owned. The post mine land use is wildlife habitat.

Hydrological Balance

There did not appear to be any effect on the hydrologic balance at the time of the site visit.

Processing Waste/Tailings

There is no processing waste associated with this operation.

General Mine Plan Compliance

The mining operation appeared to be in compliance with the approved mining plan. At the time of the inspection, the working highwall had reached the furthest north on the Osborn property. According to Ms. Kegan, the operation will be progressing to the east, finishing extraction of materials from the Osborn property. Operations will then progress south while also reclaiming the Osborn property with 4H:1V slopes. There is a 10' high berm of topsoil along the northern permit boundary of the Osborn property. The berm slopes appeared stable with plant litter, implying that they are well vegetated. There are several material stockpiles on the pit floor that all appear to be stable, see Photo #5. Processing equipment were observed on the pit floor near the

working highwall.

Using Google Earth satellite imagery from June 28, 2024, the length of the highwall was measured to be approximately 965 feet. The height of the highwall appeared to be between 18 and 20 feet during the site visit, in accordance with the mining plan, see Photo #6. Ms. Kegan stated that crushed fines sold well over the past year.

The operator has a logging business, and some logs were observed south of the scale and office.

Signs and Markers

The mine sign was posted at the entrance of the site, in accordance with Rule 3.1.12(1), see Photos #1 and #2. The boundary markers were not verified during the inspection due to ground conditions. It was observed that the western side of the entrance road and northwest portion of the permitted area and the northern permit boundary were marked by fencing.

Overburden/Developed Waste

Several stockpiles of overburden were observed on the west side of the pit floor, and they appeared to be stable. There appeared to be plant litter on the slopes indicating that they are well vegetated, see Photo #7.

Acid or Toxic Materials

There are no acid or toxic materials associated with this operation.

Financial Warranty

The current financial warranty held by the Division is \$112,405.00. The reclamation cost estimate was recalculated based on the disturbances observed during the site visit, see Figure #1 below for disturbance details. The updated cost estimate is calculated at \$194,593.00; a copy of the Division's reclamation cost estimate (RCE) is attached with this report. The current bond is \$82,188.00 below the calculated reclamation costs and is cited as a problem in this report. See Problem #1 above for information about the corrective action necessary to abate the problem.

Backfill & Grading

There is about 450 feet of the north portion of the disturbance on the Osborn property that had been backfilled and graded, see Photo #8. The graded slope appeared to be 4H:1V and stable.

Processing Facilities

There is a 20-foot Conex on site used as an office and a scale, both located in the southeast portion of the permit area, see Photo #4.

Fish & Wildlife

There did not appear to be a negative impact on wildlife in the area.

Stormwater Management Plan

The stormwater management plan is designed to collect all surface runoff and direct it to a settling pond located in the southwest of the permit before discharging into Eight Mile Creek. Due to ground conditions, the settling pond was not inspected during the inspection.

Erosion/Sedimentation

There did not appear to be a sedimentation or erosion issue.

Off-site Damage

There was no off-site damage observed during the inspection.

Roads

The roads appear to be in good condition and stable with no erosion issues, see Photos #2 and #3.

Explosives

Explosives are not used for this operation.

Topsoil

The topsoil stockpiles appeared to be stable and in good condition, see Photo #7. There was plant litter observed on the slopes of the topsoil stockpiles indicating that they are well vegetated.

Revegetation

There did not appear to be any noxious weeds on the permit area.

Reclamation Plan/ Compliance

The backfilled and graded slopes appeared to be graded to a 4H:1V, in accordance with the approved reclamation plan.

Stipulations

There are no stipulations associated with this permit.

PHOTOGRAPHS



Photo #1: Mine sign in accordance with Rule 3.1.12(1).



Photo #2: Mine entrance, mine sign viewed on the right side of the access road; looking to the south from the mine entrance.



Photo #3: View of the access road, on the left side of the photo, and the parking area for equipment, looking northeast.



Photo #4: View of the scale, looking southwest. Logs brought on the property can be seen in the background.



Photo #5: Product stockpiles stored on the pit floor, looking southwest from the topsoil berm along the north permit boundary.



Photo #6: View of the highwall along the east side of the permitted area, looking to the northeast from the pit floor.



Photo #7: View of an overburden stockpile and the topsoil berm along the northern permit boundary, looking to the east from the top of the topsoil berm.



Photo #8: View of the backfilled and graded area along the northwest portion of the northern permit boundary, adjacent to the highwall; looking to the south – southwest from the top of the topsoil berm.

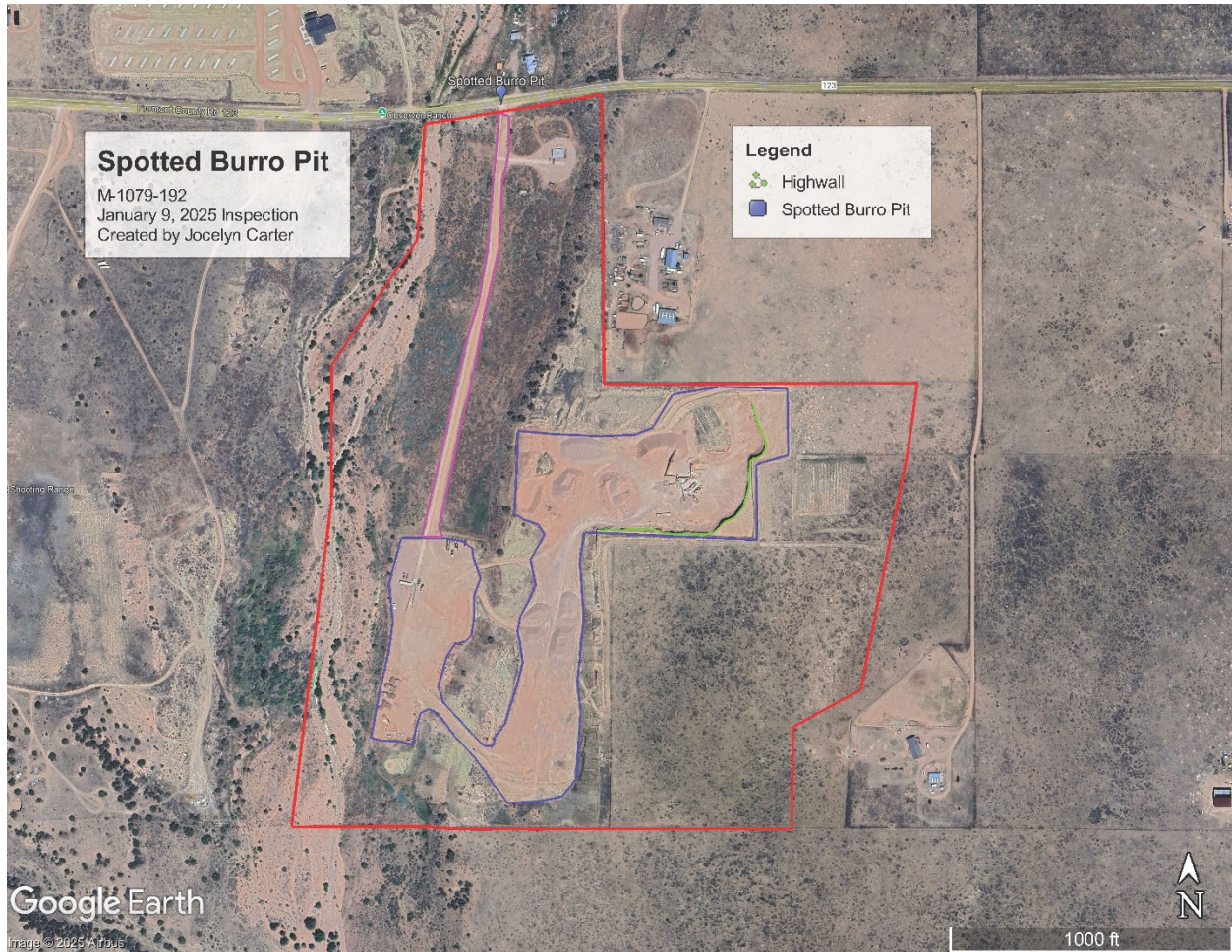


Figure 1: Map created from inspection observations and used to create the RCE. The red polygon is the permit boundary, the purple polygon is the area that needs to be topsoiled (18.2 acres), the pink polygon is the road that needs to be ripped (1.5 acres), both areas need to be seeded (19.7 acres), and the green line represents the highwall.

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>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</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>Y</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>N</u>	

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

Inspection Contact Address

Beckie Kagan
Rockbottom, LLC
555 Ernest Ave
Westcliffe, CO 81252

Enclosure: Division's Reclamation Cost Estimate

CC: Amy Eschberger, DRMS
Andy Kagan, Rockbottom, LLC

COST SUMMARY WORK

Task description: _____

Site: Spotted Burro Pit

Permit Action: 2025 Inspection

Permit/Job#: M1979192

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 2/14/2025

County: Fremont

Filename: M192-000

User: JLC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Backfilling Highwalls (965' L, 18' H)	DOZER	2	18.10	\$17,194
002	Ripping Access Road	RIPPER	2	3.65	\$2,940
003	Spreading Topsoil (19.8 acres)	SCRAPER1	1	25.82	\$82,613
004	Seeding 19.8 acres	REVEGE	1	10.00	\$43,389
005	Mob/Demob	MOBILIZE	1	5.82	\$19,384
<u>SUBTOTALS:</u>				63.39	\$165,520

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$3,344

Performance bond: 1.05

Total = \$1,738

Job superintendent: 31.70

Total = \$2,512

Profit: 0.00

Total = \$0

TOTAL O & P = \$7,594

CONTRACT AMOUNT (direct + O & P) = \$173,114

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$7,357

Reclamation management and/or administration: 5.00

\$8,656

CONTINGENCY: 3.00

Total = \$4,966

TOTAL INDIRECT COST = \$29,073

TOTAL BOND AMOUNT (direct + indirect) = \$194,593

BULLDOZER WORKTask description: **Backfilling Highwalls (965' L, 18' H)**Site: **Spotted Burro Pit** Permit Action: **2025 Inspection** Permit/Job#: **M1979192****PROJECT IDENTIFICATION**

Task #: **001** State: **Colorado** Abbreviation: **None**
 Date: **2/14/2025** County: **Fremont** Filename: **M192-001**
 User: **JLC**

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

Basic Machine: **Cat D9T - 9SU**
 Horsepower: **405**
 Blade Type: **Semi-Universal**
 Attachment: **3-shank ripper**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$253.16	NA
Operating Cost/Hour:	\$164.35	100
Ripper own. Cost/Hour:	\$18.79	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$38.59	NA

Total unit Cost/Hour: **\$474.89**
 Total Fleet Cost/Hour: **\$949.77**

MATERIAL QUANTITIES

Initial Volume: **14,475**
 Swell factor: **1.000**
 Loose volume: **14,475 LCY**

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

HOURLY PRODUCTION

Average push distance: **150 feet**
 Unadjusted hourly production: **910.5 LCY/hr**

Materials consistency description: **Consolidated stockpile 1.0**

Average push gradient: **5 %**
 Average site altitude: **5,500 feet**

Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****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:	0.900	(SSD-FC)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4391

Adjusted unit production: 399.80 LCY/hr

Adjusted fleet production: **799.6** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$1.188/LCY

Total job time: **18.10** Hours

Total job cost: **\$17,194**

BULLDOZER RIPPING WORK

Task description: Ripping Access Road

Site: Spotted Burro Pit Permit Action: 2025 Inspection Permit/Job#: M1979192

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 2/14/2025 County: Fremont Filename: M192-002
User: JLC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU Horsepower: 405
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$253.16	NA
Operating Cost/Hour:	\$82.18	50
Ripper Ownership Cost/Hour:	\$18.79	NA
Ripper Operating Cost/Hour:	\$9.48	100
Operator Cost/Hour:	\$38.59	NA
Total Unit Cost/Hour:	\$402.19	
Total Fleet Cost/Hour:	\$968.73	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 1.50 acres Rip Depth (ft): 0.75 Volume: 1,815 BCY or CCY

Source of estimated quantity: AM-1 Reclamation Plan, Area measured by Satellite Imagery

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.63 feet/pass
Average Ripping Width: 7.67 feet/pass
Average Ripping Length: 25.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.495 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.495 Acres/hr
Site Altitude: 5,500 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.41 Acres/hr
Adjusted Hourly Fleet Production: **0.82** Acres/hr

JOB TIME AND COST

Fleet size: 2 Grader(s) Total job time: **3.65** Hours

Unit cost: \$979.873 Per acre Total job cost: **\$2,940**

SCRAPER TEAM WORKTask description: **Spreading Topsoil (19.8 acres)**Site: **Spotted Burro Pit**Permit Action: 2025 InspectionPermit/Job#: M1979192**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 2/14/2025County: FremontFilename: M192-003User: JLCAgency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

	Equipment Description
-Scraper:	Cat 657G w/push-pull
-Dozer:	Cat D9T - 9SU
Support Equipment -Load Area:	NA
-Dump Area:	NA
Road Maintenance -Motor Grader:	NA
-Water Truck:	Water Tanker, 14,000 Gal.

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	NA	NA	50
Ownership cost/hour:	\$563.96	\$253.16	NA	NA	NA	\$130.32
Operating cost/hour:	\$416.27	\$164.35	NA	NA	NA	\$70.88
%Utilization-ripper:	NA	25	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$18.79	NA	NA	NA	\$0.00
Ripper op. cost/hour:	NA	\$2.37	NA	NA	NA	\$0.00
Operator cost/hour:	\$30.90	\$38.59	NA	NA	NA	\$22.07
Unit Subtotals:	\$1,011.13	\$477.26	NA	NA	NA	\$223.27
Number of Units:	2	2	0	0	0	1
Group Subtotals:	Work:	\$2,976.78	Support:	\$0.00	Maint:	\$223.27

Total work team cost/hour: **\$3,200.05****MATERIAL QUANTITIES**Initial volume: 27,427

CCY

Swell factor: 1.250Loose volume: **34,284**

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,650 lbs/LCY</u>	Struck Volume:	<u>32.00</u>	LCY
Material description:	<u>Decomposed rock - 25% Rock, 75% Earth</u>	Heaped Volume:	<u>44.00</u>	LCY
Rated Payload:	<u>104,000 pounds</u>	Average Volume:	<u>38.00</u>	LCY
Payload Capacity:	<u>39.25 LCY</u>	Adjusted Capacity:	<u>38.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.10 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 5500 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.830	0.830	

Travel Time:Road Condition: Hard, smooth, stabilized, surfaced, watered, maintained 2.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	400.00	5.00	2.00	7.00	1677	0.43
2	300.00	0.00	2.00	2.00	2940	0.22
3	100.00	0.00	2.00	2.00	2940	0.03

Haul Time: 0.68 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	100.00	0.00	2.00	2.00	3023	0.18
2	300.00	0.00	2.00	2.00	3023	0.10
3	400.00	-5.00	2.00	-3.00	2987	0.19

Return Time: 0.47 minutesTotal Scraper team cycle time: 2.85 minutesAdjusted for job conditions: 1,328.00 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,328.00 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,328.00 LCY/HourUnadjusted unit production/hour: 1,600.00 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 25.82 HoursUnit cost: \$2.410 /LCYTotal job cost: \$82,613

REVEGETATION WORKTask description: Seeding 19.8 acresSite: Spotted Burro PitPermit Action: 2025 InspectionPermit/Job#: M1979192**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 2/14/2025County: FremontFilename: M192-004User: JLCAgency 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
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Lovington	2.50	40.81	\$69.39
Sand Dropseed	0.12	14.33	\$1.56
Sideoats Grama - Vaughn	5.00	16.41	\$122.95
Thickspike Wheatgrass - Critana	8.00	28.28	\$65.19
Totals Seed Mix	15.62	99.83	\$259.09

Application

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Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	\$485.00
Total Seed Application Cost/Acre	\$485.00

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Wood Cellulose Fiber Mulch	2,000.00	Pound	\$0.43	\$856.20
Total Mulch Materials Cost/Acre				\$856.20

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Total Mulch Application Cost/Acre	\$85.37

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:	19.8	Cost /Acre:	\$1,685.66
Estimated Failure Rate:	30%	Cost /Acre*:	\$1,685.66
*Selected Replanting Work Items:	SEEDING,MULCHING		
Initial Job Cost:	\$33,376.07		
Reseeding Job Cost:	\$10,012.82		
Total Job Cost:	\$43,389		
Job Hours:	10.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Spotted Burro Pit**Permit Action: 2025 InspectionPermit/Job#: M1979192**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 2/14/2025County: FremontFilename: M192-005User: 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 D9T - 9SU	66.13	\$271.95	\$125.64	2	\$795.18	\$251.28	\$500.00
Cat 657G w/push-pull	80.25	\$563.96	\$125.64	2	\$1,379.20	\$251.28	\$500.00
Water Tanker, 14,000 Gal.	58.50	\$130.32	\$125.64	1	\$255.96	\$125.64	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	1	\$86.65	\$59.44	\$250.00

Subtotals: **\$2,717.91** **\$806.52** **\$2,000.00****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	\$108.47	1	\$108.47	\$108.47

Subtotals: **\$108.47** **\$108.47**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CANON CITY
 Total one-way travel distance: 7.00 miles
 Average Travel Speed: 55.00 mph

Total Non-Roadable Mob/Demob Cost * \$19,356.41
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$27.61
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.13	0.13
Return Time (Hours):	0.13	0.13
Loading Time (Hours):	1.33	NA
Unloading Time (Hours):	1.33	NA
Subtotals:	2.91	0.25

JOB TIME AND COST

Total job time: 5.83 Hours

Total job cost: \$19,384