




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: Soward Ranch Pit	MINE/PROSPECTING ID#: M-1988-021	MINERAL: Sand and gravel	COUNTY: Mineral
INSPECTION TYPE: Preoperation Inspection	WEATHER: Clear	INSP. DATE: September 25, 2024	INSP. TIME: 15:00
OPERATOR: Big Bull Dog Trucking, Inc	OPERATOR REPRESENTATIVE: Randy Riggs	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Preoperation Inspection	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$25,105.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Todd Jesse	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 8, 2024	

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>N</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>N</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>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

This inspection was conducted as a preoperational inspection for Conversion 1 (CN-1) at the Soward Pit. The site is operated by Big Bull Dog Trucking Inc. who has applied to convert the site to a 112c. The site is located approximately 12.5 miles southwest of the town of Creede, CO at an elevation of approximately 8,950 feet and public access is controlled by a gate off Middle Creek Rd. The site currently consists of 9.9 acres to be reclaimed for the post mine land use of pasture. The conversion will increase the acreage to 44.49 acres. The previous inspection occurred in 2023, and the Division holds a \$25,105.00 financial warranty on the site. The last Surety Increase occurred in 2023. Randy Riggs, a representative of Big Bull Dog Trucking, was present for the inspection. No maintenance items were noted during the inspection.

Financial Warranty:

In an effort to ensure the financial warranty remains adequate to reclaim this site per the requirements of the proposed reclamation plan, DRMS has updated the Reclamation Cost Estimate. The updated estimate is attached to this inspection report. Calculations estimate the cost of reclamation to be \$26,392. This is an increase of \$1,287 over the current surety held by the Division for the site. The surety will be increased when the Conversion is approved.

Gen. Compliance With Mine Plan:

Mining is being conducted in accordance with the approved mining plan. At the time of the inspection the operator has disturbed just under the approved 9.99 acres. Product stockpiles are located within the pit. No land outside of the current permit boundary has been disturbed. The areas that are to be incorporated into the permit to the north and west of the current pit were inspected to document site condition before it is disturbed. (Photos 1-4)

Hydrologic Balance:

No groundwater has been exposed in the pit. The pit is above the floodplain and not expected to expose groundwater as it expands. No meteoric water was being impounded within the proposed permit boundary.

Signs and Markers:

The mine identification sign and the affected area boundary markers are in place and in compliance with Rule 3.1.12. The boundary is marked by fence line that is easily identifiable. The mine identification sign was located on the permit boundary at the main entrance to the site (Photo 5).

All responses to this report should be directed to Todd Jesse with the Division's Active Mines Program at DRMS, Room 215, 1001 E. 62nd Ave. Denver, CO 80216. Direct contact can be made at the Division's Grand Junction Field Office, by phone at (720) 688-0626 or by email at todd.jesse@state.co.us.

PHOTOGRAPHS



Photo 1 – View to the south of undisturbed ground along proposed western permit boundary.



Photo 2 – View to the east of undisturbed ground along proposed northern permit boundary.



Photo 3 – View to the west of undisturbed ground along proposed northern permit boundary.



Photo 4 – View to the west along power lines that transect proposed permit area.



Photo 5 – View to the south of Mine ID sign at entrance to the site.

Inspection Contact Address

Randy Riggs
Big Bull Dog Trucking, Inc
205 Mesa Dr.
Creede, CO 81130

CC: Stevan O'Brian, Environmental, Inc.

COST SUMMARY WORK

Task description: Cost Summary

Site: Soward Ranch Pit

Permit Action: CN-01

Permit/Job#: M1988021

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 10/2/2024

County: Mineral

Filename: M021-000

User: TJ1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Remove temporary graded highwall	DOZER	1	4.41	\$1,418
002	Working Face Highwall Reduction	DOZER	1	9.92	\$3,191
003	Rip Compaction in Pit Floor	RIPPER	1	3.66	\$1,642
004	Spread Topsoil	DOZER	1	1.73	\$555
005	Revegetate Disturbed Area	REVEGE	1	0.00	\$11,875
006	Haul Reclamation Equipment To and From Site	MOBILIZE	1	3.20	\$2,196
007	Secondary Mobilization for Reseeding	MOBILIZE	1	3.20	\$805
<u>SUBTOTALS:</u>				26.12	\$21,682

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$438

Performance bond: 1.05

Total = \$228

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$2,168

TOTAL O & P = \$2,834

CONTRACT AMOUNT (direct + O & P) = \$24,516

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

\$1,226

CONTINGENCY: 3.00

Total = \$650

TOTAL INDIRECT COST = \$4,710

TOTAL BOND AMOUNT (direct + indirect) = \$26,392

BULLDOZER WORKTask description: **Remove temporary graded highwall**Site: **Soward Ranch Pit**Permit Action: CN-01Permit/Job#: M1988021**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 10/2/2024County: MineralFilename: M021-001User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$173.32	NA
Operating Cost/Hour:	\$109.71	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: \$321.62Total Fleet Cost/Hour: **\$321.62****MATERIAL QUANTITIES**Initial Volume: 2,083Swell factor: 1.330Loose volume: **2,770 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 90 feetUnadjusted hourly production: 918.4 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -20 %Average site altitude: 8,860 feetMaterial weight: 2,900 lbs/LCYWeight description: Decomposed rock - 50% Rock, 50% Earth**Job Condition Correction Factor**

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

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6842

Adjusted unit production: 628.37 LCY/hr

Adjusted fleet production: **628.37** LCY/hr

JOB TIME AND COST



Fleet size: 1 Dozer(s)

Unit cost: \$0.512/LCY

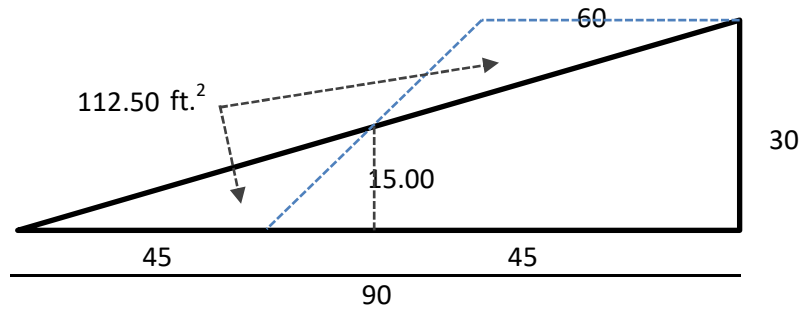
Total job time: **4.41** Hours

Total job cost: **\$1,418**

Highwall reduction - cut and fill

Highwall Height (ft.)	30
Length of Highwall (lft.)	500
 Initial Slope	2 H:1V
 Desired Slope	3 H:1V
Volume of material to be moved (ft. ³)	56,250
Volume of material to be moved (yd. ³)	2,083

All dimensions measured in feet
Drawing not to scale



BULLDOZER WORKTask description: **Working Face Highwall Reduction**Site: **Soward Ranch Pit**Permit Action: **CN-01**Permit/Job#: **M1988021****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **10/2/2024**County: **Mineral**Filename: **M021-002**User: **TJ1**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:	\$173.32	NA
Operating Cost/Hour:	\$109.71	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: **\$321.62**Total Fleet Cost/Hour: **\$321.62****MATERIAL QUANTITIES**Initial Volume: **5,208**Swell factor: **1.330**Loose volume: **6,927 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **90 feet**Unadjusted hourly production: **918.4 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **-20 %**Average site altitude: **8,860 feet**Material weight: **2,900 lbs/LCY**Weight description: **Decomposed rock - 50% Rock, 50% Earth****Job Condition Correction Factor**

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

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7602

Adjusted unit production: 698.17 LCY/hr

Adjusted fleet production: **698.17 LCY/hr**

JOB TIME AND COST



Fleet size: 1 Dozer(s)

Unit cost: \$0.461/LCY

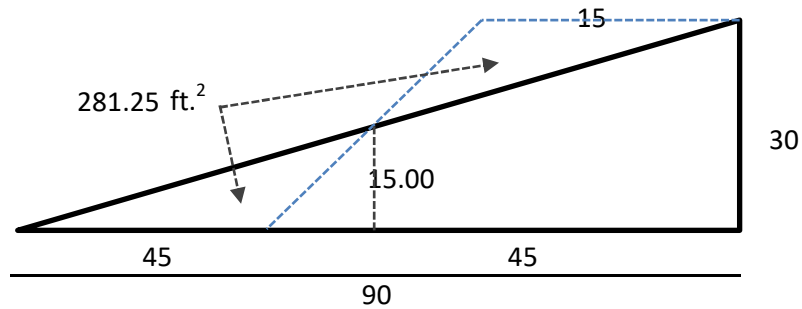
Total job time: **9.92 Hours**

Total job cost: **\$3,191**

Highwall reduction - cut and fill

Highwall Height (ft.)	30
Length of Highwall (lft.)	500
 Initial Slope	1 H:1V
 Desired Slope	3 H:1V
Volume of material to be moved (ft. ³)	140,625
Volume of material to be moved (yd. ³)	5,208

All dimensions measured in feet
Drawing not to scale



BULLDOZER RIPPING WORK

Task description: Rip Compaction in Pit Floor

Site: Soward Ranch Pit

Permit Action: CN-01

Permit/Job#: M1988021

PROJECT IDENTIFICATION

Task #: 003

State: Colorado

Abbreviation: None

Date: 10/3/2024

County: Mineral

Filename: M021-003

User: TJ1

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU
Ripper Attachment: 3-Shank Ripper

Horsepower: 310

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$173.32	NA
Operating Cost/Hour:	\$109.71	100
Ripper Ownership Cost/Hour:	\$14.53	NA
Ripper Operating Cost/Hour:	\$7.95	100
Operator Cost/Hour:	\$38.59	NA
Total Unit Cost/Hour:	\$344.10	
Total Fleet Cost/Hour:	\$344.10	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 2.50 acres Rip Depth (ft): 1.00 Volume: 4,033 BCY or CCY

Source of estimated quantity: Current Map

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 1.00 feet/pass
Average Ripping Width: 7.08 feet/pass
Average Ripping Length: 500.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.822 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.822 Acres/hr
Site Altitude: 8,900 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.68 Acres/hr
Adjusted Hourly Fleet Production: **0.68** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **3.66** Hours

Unit cost: \$504.345 Per acre Total job cost: **\$1,261**

BULLDOZER WORKTask description: Spread TopsoilSite: Soward Ranch Pit Permit Action: CN-01 Permit/Job#: M1988021**PROJECT IDENTIFICATION**

Task #:	<u>004</u>	State:	<u>Colorado</u>	Abbreviation:	<u>None</u>
Date:	<u>10/3/2024</u>	County:	<u>Mineral</u>	Filename:	<u>M021-004</u>
User:	<u>TJ1</u>				

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

Basic Machine:	<u>Cat D8T - 8SU</u>
Horsepower:	<u>310</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>\$173.32</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$109.71</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$38.59</u>	<u>NA</u>

Total unit Cost/Hour:	<u>\$321.62</u>
Total Fleet Cost/Hour:	<u>\$321.62</u>

MATERIAL QUANTITIES

Initial Volume:	<u>532</u>
Swell factor:	<u>1.000</u>
Loose volume:	<u>532 LCY</u>

Source of estimated volume:	<u>Division of Reclamation, Mining & Safety</u>
Source of estimated swell factor:	<u>Cat Handbook</u>

HOURLY PRODUCTION

Average push distance:	<u>200 feet</u>
Unadjusted hourly production:	<u>491.9 LCY/hr</u>

Materials consistency description: Consolidated stockpile 1.0

Average push gradient:	<u>0 %</u>
Average site altitude:	<u>8,900 feet</u>

Material weight: 1,600 lbs/LCYWeight description: Top Soil

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

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: 308.22 LCY/hr

Adjusted fleet production: **308.22** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.043/LCY

Total job time: **1.73** Hours

Total job cost: **\$555**

REVEGETATION WORKTask description: Revegetate Disturbed AreaSite: Soward Ranch PitPermit Action: CN-01Permit/Job#: M1988021**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 10/3/2024County: MineralFilename: M021-005User: TJ1Agency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Arizona Fescue - Redondo	0.50	5.74	\$7.53
Mountain Brome - Bromar	12.50	20.09	\$75.22
Western Wheatgrass - Arriba	6.40	16.16	\$57.82
Totals Seed Mix	19.40	41.99	\$140.56

Application

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

Total Seed Application Cost/Acre	\$236.64
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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
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres: 20 Cost /Acre: \$494.81
 Estimated Failure Rate: 20% Cost /Acre*: \$494.81
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: **\$9,896.20**
 Reseeding Job Cost: **\$1,979.24**
 Total Job Cost: **\$11,875**
 Job Hours: **0.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Haul Reclamation Equipment To and From Site**Site: **Soward Ranch Pit**Permit Action: CN-01Permit/Job#: M1988021**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 10/3/2024County: MineralFilename: M021-006User: TJ1Agency 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 D8T - 8SU	53.08	\$187.85	\$125.64	1	\$313.49	\$125.64	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
Subtotals:					\$413.95	\$185.08	\$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77
Subtotals:			\$13.77	\$13.77

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CREEDE
 Total one-way travel distance: 12.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$2,187.32
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$8.26
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.30	0.30
Return Time (Hours):	0.30	0.30
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.60	0.60

JOB TIME AND COST

Total job time: 3.20 Hours

Total job cost: \$2,196

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Secondary Mobilization for ReseedingSite: Soward Ranch PitPermit Action: CN-01Permit/Job#: M1988021**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 10/3/2024County: MineralFilename: M021-007User: TJ1Agency 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
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00

Subtotals: **\$100.46** **\$59.44** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77

Subtotals: **\$13.77** **\$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CREEDE
 Total one-way travel distance: 12.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$796.86
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$8.26
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.30	0.30
Return Time (Hours):	0.30	0.30
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.60	0.60

JOB TIME AND COST

Total job time: 3.20 Hours

Total job cost: \$805