

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

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 Y	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP N
(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.

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 $1-\mbox{View}$ to the south of undisturbed ground along proposed western permit boundary.



Photo $2-\mbox{View}$ 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 $5-\mbox{View}$ 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

Т	ask descrip	tion:	Cost Summary					
Site:	Soward R	Ranch Pit	Per	rmit Action:	CN-01	Permit/Job	#: <u>M1988021</u>	
<u>P</u>]	Task #:	1DENTIFIC 000 10/2/2024 TJ1	CATION State: County:	Colorado Mineral		Abbreviation: Filename:	None M021-000	
	-		zation name: DR	RMS				

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	<i>~</i>
1 doix	Description	Used	Size	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>SUBTO</u>	TALS:	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
	TC	DTAL INDIRECT COST =	\$4,710
TOTAL BO	ND AMO	UNT (direct + indirect) =	\$26,392

BULLDOZER WORK

			ghwall		
Soward Ranch Pit	Permit A	ction:	CN-01	Permit/Job#:	M1988021
PROJECT IDENTIF	ICATION				
Task #: 001	State: Col	orado		Abbreviation:	None
Date: 10/2/2024		neral		Filename:	M021-001
User: TJ1					
Agency or organ	nization name: DRMS				
HOURLY EQUIPME	ENT COST				
Basic Machine:Cat	: D8T - 8SU		_		
Horsepower: 310			_		
VI	ni-Universal		_		
Attachment: NA			_		
	er day RG)		_		
	(0)		_		
Cost Breakdown:		1	TT.'1' .'		
Ownorship Cost/Harry	ሰ 1 7	72 27	<u>Utilization %</u> NA		
Ownership Cost/Hour: Operating Cost/Hour:		73.32	<u> </u>		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		38.59	NA		
MATERIAL OUANT	TTIFS				
MATERIAL QUANT					
Initial Volume: 2,08	3				
Initial Volume: 2,08 Swell factor: 1.33	3				
Initial Volume: 2,08 Swell factor: 1.33 Loose volume: 2,77 Source of estimated volu Source of estimated swell HOURLY PRODUCT	3 0 0 LCY me: Division of Rec l factor: Cat Handbook	clamatio	on, Mining & Safety		
Initial Volume: 2,08 Swell factor: 1.33 Loose volume: 2,77 Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance:	3 0 0 LCY me: Division of Red l factor: Cat Handbook <u>FION</u> 90 feet	clamatio	on, Mining & Safety		
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Initial Volume: 2,08 Swell factor: 1.33 Loose volume: 2,77 Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	3 0 0 LCY me: Division of Red l factor: Cat Handbook FION 90 feet ction: 918.4 LCY/hr				
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Initial Volume: 2,08 Swell factor: 1.33 Loose volume: 2,77 Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency des Average push gradient: Average site altitude:	3 0 0 LCY me: Division of Rec 1 factor: Cat Handbook FION ction: 90 feet 90 feet 918.4 LCY/hr scription: Compacted f -20 % 8,860 feet	ill or em	nbankment 0.9		
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Initial Volume: 2,08 Swell factor: 1.33 Loose volume: 2,77 Source of estimated volu Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Operator	3 0 0 LCY me: Division of Real l factor: Cat Handbook I factor: 90 feet ction: 918.4 LCY/hr scription: Compacted f -20 %	ill or em			
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Job efficienc	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.900	(SSD-FC)
Push gradier	it: 1.426	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigh	.t: 0.793	(CAT HB)
Blade typ	e: 1.000	(PAT)
Net correctio	n:0.6842	
Adjusted unit production:	628.37 LCY/hr	
Adjusted fleet production:	628.37 LCY/hr	
=		

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



All dimensions measured in feet Drawing not to scale



BULLDOZER WORK

Task description:	Working Face Highwall Red	luction		
Soward Ranch Pit	Permit Action:	CN-01	Permit/Job#:	M1988021
PROJECT IDENTIF	ICATION			
Task #: 002	State: Colorado		Abbreviation:	None
Date: 10/2/2024	County: Mineral		Filename:	M021-002
User: TJ1				
Agency or organ	nization name: DRMS			
HOURLY EQUIPME	ENT COST			
Basic Machine: Cat	t D8T - 8SU			
Horsepower: 310				
	ni-Universal			
Attachment: NA				
	er day			
Data Source: (CF	RG)			
Cost Breakdown:				
		Utilization %		
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: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$38.59 \$321.62 \$321.62	NA		
Total unit Cost/Hour:	\$321.62 \$321.62	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: <u>MATERIAL QUANT</u> Initial Volume: <u>5,20</u> Swell factor: <u>1.33</u>	\$321.62 \$321.62 TTIES 8	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum	\$321.62 \$321.62 TTIES 8 0 7 LCY me:Division of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92	\$321.62 \$321.62 TTIES 8 0 7 LCY me:Division of Reclamati			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum	\$321.62 \$321.62 TITIES 8 0 7 LCY me: Division of Reclamati 1 factor: Cat Handbook			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	\$321.62 \$321.62 TTIES 8 0 7 LCY me: Division of Reclamati 1 factor: Cat Handbook FION 90 feet			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum Source of estimated swell HOURLY PRODUCT	\$321.62 \$321.62 TTIES 8 0 7 LCY me: Division of Reclamati 1 factor: Cat Handbook FION 90 feet			
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Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description:	\$321.62 \$321.62 TTIES 8 0 7 LCY me: Division of Reclamati 1 factor: Cat Handbook IfION ction: 90 feet ction: 918.4 LCY/hr scription: Compacted fill or ea -20 % 8,860 feet 2,900 lbs/LCY Decomposed rock - 50% Rock	 		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum Source of estimated volum Source of estimated volum Materials consistency des Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	\$321.62 \$321.62 TTIES 8 0 7 LCY me: Division of Reclamati 1 factor: Cat Handbook FION ction: 90 feet 90 feet ction: 918.4 LCY/hr scription: Compacted fill or end -20 % 8,860 feet 2,900 lbs/LCY Decomposed rock - 50% Rock Factor -50% Rock			
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 5,20 Swell factor: 1.33 Loose volume: 6,92 Source of estimated volum Source of estimated volum Source of estimated volum Materials consistency des Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator	$\begin{array}{c c} \$321.62 \\ \hline \$321.62 \\ \hline \end{array}$ $\begin{array}{c} \hline \end{array}$ $\begin{array}{c} \hline \end{array}$ $\begin{array}{c} 8 \\ 0 \\ \hline \end{array} $ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \bigg \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \\ \hline \end{array} \\ \hline \end{array} \\ \hline \\ \hline \end{array} \\ \hline \\ \hline \\ \hline \\ \hline \end{array} \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \\			
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Task # 002

Job efficient	cy:	0.830	(1 SHIFT/DAY)
Spoil pi	le:	1.000	(DOZ-OC)
Push gradie	nt:	1.426	(CAT HB)
Altitud	le:	1.000	(CAT HB)
Material Weig	ht:	0.793	(CAT HB)
Blade typ	be:	1.000	(PAT)
Net correction			
Adjusted unit production:	698.17 LCY	//hr	
Adjusted fleet production:	698.17 LCY	//hr	

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



All dimensions measured in feet Drawing not to scale



BULLDOZER RIPPING WORK

	Task description:	Rip Compaction in Pit Flo	or		
Site:	Soward Rancl	h Pit Permit Action:	CN-01	Permit/J	ob#: <u>M1988021</u>
	PROJECT ID	ENTIFICATION			
	Task #: 003 Date: 10/ User: TJ1	3/2024County:Mineral)	Abbreviatio	
	Agency	or organization name: DRMS			
		UIPMENT COST			
		Machine: Cat D8T - 8SU		Horsepower:	310
	Ripper Att			Shift Basis:	1 per day
				Data Source:	(CRG)
	Cost Breakdown:		I	Litilization 0/	
		Ownership Cost/Hour:	\$173.32	Utilization % NA	
		Operating Cost/Hour:	\$109.71	100	
		er Ownership Cost/Hour:	\$14.53 \$7.95	<u>NA</u> 100	
	Кірі	Operator Cost/Hour:	\$38.59	 NA	
		Total Unit Cost/Hour:	\$344.10		
		Total Fleet Cost/Hour: \$3	44.10		
	MATEDIAL C				
	MATERIAL C		elected estimating	method: Area	
	Alternate Method	l <u>s:</u>			
nic:	NA	Bank Volume:	NA	BCY	NA
rea:	2.50	acres Rip Depth (ft):		Volume: 4,033	BCY
		Source of estimated quantity: Curre	ent Map		
	HOURLY PRO	<u>DDUCTION</u>			
	Seismic:				
		Seismic Velocity:	NA	feet/second	
	Area:				
		Average Ripping Depth:	1.00	feet/pass	
		Average Ripping Width: Average Ripping Length:	7.08 500.00	feet/pass 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 Co	prrection Factors			
		adjusted 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 Adjusted Hourly Fleet Production		Acres/hr Acres/hr	
	JOB TIME AN	<u>ID COST</u>			
	Fleet size:	1 Grader(s)	Total job tim	e: 3.66	Hours
	Unit cost:	\$504.345 Per acre	Total job cos	st: \$1,261	

BULLDOZER WORK

Task description:	Spread Top	soil			
Soward Ranch Pit		Permit Action:	CN-01	Permit/Job#:	M1988021
PROJECT IDENTIF	ICATION				
Task #: 004 Date: 10/3/2024 User: TJ1	St Cour	ate: <u>Colorado</u> nty: <u>Mineral</u>		Abbreviation: Filename:	None M021-004
Agency or orga	nization name:	DRMS			
HOURLY EQUIPME	ENT COST				
	t D8T - 8SU				
Horsepower: 310					
VI	ni-Universal				
Attachment: NA					
	er day				
Data Source: (CI	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$173.32	NA		
Operating Cost/Hour:		\$109.71	100		
Ripper own. Cost/Hour:		\$0.00	NA		
		\$0.00	0		
Ripper op. Cost/Hour:		\$38.59	NA		
Ripper op. Cost/Hour: Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour:	\$321.62 \$321.62	430. <i>39</i>			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$321.62	\$30.57			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532	\$321.62				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00	\$321.62 <u>SITIES</u> 0				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00	\$321.62				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu	\$321.62 SITIES 0 LCY me:Divi	sion of Reclamati	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated swel	\$321.62 <u>CITIES</u> 0 LCY me: <u>Divi</u> l factor: <u>Cat</u>				
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu	\$321.62 <u>CITIES</u> 0 LCY me: <u>Divi</u> l factor: <u>Cat</u>	sion of Reclamati			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated swel	\$321.62 <u>CITIES</u> 0 LCY me: <u>Divi</u> l factor: <u>Cat</u>	sion of Reclamati Handbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated swel HOURLY PRODUCT	\$321.62 TITIES 0 LCY me: Divi 1 factor: Cat FION _200 fee	sion of Reclamati Handbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated volu: Source of estimated swel HOURLY PRODUCT Average push distance:	\$321.62 CITIES 0 LCY me: Divi 1 factor: Cat FION ction: 200 fee	sion of Reclamati Handbook	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated volu: Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly product	\$321.62 CITIES 0 LCY me: Divi 1 factor: Cat FION ction: 200 fea 491.9 1 scription: Cat	sion of Reclamati Handbook et LCY/hr	on, Mining & Safety		
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Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated volu: Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient:	\$321.62 CITIES 0 LCY me:	sion of Reclamati Handbook et LCY/hr onsolidated stockj	on, Mining & Safety		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated volu: Source of estimated swel HOURLY PRODUC: Average push distance: Unadjusted hourly produ: Materials consistency des Average push gradient: Average site altitude:	\$321.62 CITIES 0 LCY me: Divi 1 factor: Cat FION ction: 491.9 scription: Cat 0 % 8,900 feet	sion of Reclamati Handbook et LCY/hr onsolidated stockj	on, Mining & Safety		
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Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated volu: Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist	\$321.62 CITIES 0 LCY me: Divi 1 factor: Cat TION ction: 200 fee ction: 491.9 1 scription: Co 0 % 600 lbs/LC Top Soil Factor Skill:	et LCY/hr bion of Reclamati Handbook et LCY/hr bionsolidated stockp y 0.750 1.000	 on, Mining & Safety bile 1.0 bile 1.0 bile 1.0 bile 1.0 (AVG.) 		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 532 Swell factor: 1.00 Loose volume: 532 Source of estimated volu: Source of estimated volu: Source of estimated volu: Source of estimated swel HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency des Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator Material consist Dozing me	\$321.62 CITIES 0 LCY me: Divi 1 factor: Cat TION ction: 200 fee ction: 491.9 1 scription: Co 0 % 600 lbs/LC Top Soil Factor Skill:	et LCY/hr binsolidated stock Y 0.750			

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: 30	08.22 LCY/hr	
Adjusted fleet production: 30	8.22 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$1.043/LCY

Total job time:	1.73 Hours
Total job cost:	\$555

REVEGETATION WORK

Permit/Job#: <u>M1988021</u>
Abbreviation: None Filename: M021-005

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 \$2

\$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
					\$
		Totals	Nursery Stoc	k Cost / Acre	\$0.00

	No. of Acres:	20	Cost /Acre:	\$494.81	
Estimate	ed Failure Rate:	20%	Cost /Acre*:	\$494.81	
*Selected Replanti	ng Work Items:	FERTILIZING,TIL	LING,SEEDING,MU		
		LCHING			
Initial Job Cost:	\$9,896.20				
Reseeding Job Cost:	\$1,979.24				
Total Job Cost:	\$11,875				
Job Hours:	0.00				

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: Ha	ul Reclamation E	quipment To a	nd From S	Site			
: Soward Rand	ch Pit	Permit	Action: <u>CN-0</u>	1	F	Permit/Job#	#: <u>M1</u>	988021
PROJECT IDE	ENTIFICATI	<u>ON</u>						
Task #: 00	6	State: Co	olorado		Abbre	viation:	None	
Date: 10	/3/2024	County: M	ineral		Fi	lename:	M021-	006
User: TJ	1							
Agency	or organization	n name: DRMS						
EQUIPMENT	<u>TRANSPOR</u>	<u>T RIG COST</u>						
					Shift bas	sis: 1	per day	7
				(Cost Data Sour	ce: Cl	RG Dat	a
Truc	k Tractor Desc	ription GENE	RIC ON-HIGH	WAY TRI	ICK TRACTO	R 6X4 D	IESEL	POWERED
IIuc	K Huetor Dese				(2ND HALF,		ILDLL	low Little,
True	ck Trailer Desc	ription: G	ENERIC FOLD			,	EOUI	PMENT
					(25T, 50T, AN			
~ ~					<u> </u>	,		
Cost Breakdown:								
Available Rig (0-25 Tons	26-50 Tons		- Tons			
	p Cost/Hour:	\$10.44	\$22.18		23.94			
	g Cost/Hour:	\$26.48	\$54.55		55.65			
Operato	or Cost/Hour:	\$22.52	\$22.52	\$2	22.52			
Helpe	er Cost/Hour:	\$0.00	\$23.53	\$2	23.53			
Total Un	it Cost/Hour:	\$59.44	\$122.78	\$1	25.64			
NON ROADAI	<u>BLE EQUIPN</u>	<u>AENT:</u>						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return T	rip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/	fleet	Cost/ fleet
1	(TONS)		t		fleet			
Cat D8T - 8SU	53.08	\$187.85	\$125.64	1	\$313.49	\$125.64		\$250.00
Drill/Broadcast	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44		\$250.00
Seeder with								
Tractor								

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	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$8.26	

Transportation Cycle Time:

	Non- Roadable	Roadable
	Equipment	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/DEMOBILIZATION

EQUIPMENT TRA	IFICATIO	<u>ON</u> State: <u>Co</u> County: <u>Mi</u> name: <u>DRMS</u> T RIG COST ription: GENEI	ENERIC FOLD	C WAY TRU <u>400 HP</u> ING GOO	Abbre Fi Shift ba Cost Data Sour JCK TRACTO (2ND HALF,	rce: CRG Da DR, 6X4, DIESE 2006) ROP DECK EQU	ay L POWERED,
Task #: 007 Date: 10/3/202 User: TJ1 Agency or org EQUIPMENT TRA Truck Trac Truck Trac Cost Breakdown: Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	24 ganization NSPOR actor Descr	State: <u>Co</u> County: <u>Mi</u> name: <u>DRMS</u> FRIG COST ription: GENEI	neral RIC ON-HIGH ENERIC FOLD	WAY TRU 400 HP ING GOO	Fi Shift ba Cost Data Sour JCK TRACTO (2ND HALF, SENECK, DF	lename: <u>M02</u> sis: <u>1 per da</u> rce: <u>CRG Da</u> OR, 6X4, DIESE 2006) ROP DECK EQU	ay ata L POWERED,
Date: 10/3/202 User: TJ1 Agency or org EQUIPMENT TRA Truck Trac Truck Trac Cost Breakdown: Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	ganization	County: <u>Mi</u> name: <u>DRMS</u> FRIG COST ription: GENEI ription: GI	neral RIC ON-HIGH ENERIC FOLD	WAY TRU 400 HP ING GOO	Fi Shift ba Cost Data Sour JCK TRACTO (2ND HALF, SENECK, DF	lename: <u>M02</u> sis: <u>1 per da</u> rce: <u>CRG Da</u> OR, 6X4, DIESE 2006) ROP DECK EQU	ay ata L POWERED,
User: TJ1 Agency or org EQUIPMENT TRA Truck Trac Truck Trac Cost Breakdown: Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	ganization	name: <u>DRMS</u> <u>T RIG COST</u> iption: GENEI iption: GI	RIC ON-HIGH ^V ENERIC FOLD	WAY TRU 400 HP ING GOO	Shift ba Cost Data Sour JCK TRACTO (2ND HALF, SENECK, DF	sis: <u>1 per da</u> rce: <u>CRG Da</u> DR, 6X4, DIESEI 2006) ROP DECK EQU	ay ata L POWERED,
Agency or org EQUIPMENT TRA Truck Trac Truck Trac <u>Cost Breakdown:</u> <u>Available Rig Capac</u> Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	NSPOR actor Descr	T RIG COST iption: GENE iption: GI	ENERIC FOLD	WAY TRU 400 HP ING GOO	Cost Data Sour ICK TRACTO (2ND HALF, SENECK, DF	rce: CRG Da DR, 6X4, DIESE 2006) ROP DECK EQU	ataL POWERED,
EQUIPMENT TRA Truck Trac Truck Trac <u>Cost Breakdown:</u> <u>Available Rig Capac</u> Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	NSPOR actor Descr	T RIG COST iption: GENE iption: GI	ENERIC FOLD	WAY TRU 400 HP ING GOO	Cost Data Sour ICK TRACTO (2ND HALF, SENECK, DF	rce: CRG Da DR, 6X4, DIESE 2006) ROP DECK EQU	ataL POWERED,
Truck Trac Truck Tra <u>Cost Breakdown:</u> Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	actor Descr ailer Descr	ription: GENEI ription: GI	ENERIC FOLD	WAY TRU 400 HP ING GOO	Cost Data Sour ICK TRACTO (2ND HALF, SENECK, DF	rce: CRG Da DR, 6X4, DIESE 2006) ROP DECK EQU	ataL POWERED,
Truck Tra <u>Cost Breakdown:</u> Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	ailer Descr	ription: GI	ENERIC FOLD	WAY TRU 400 HP ING GOO	Cost Data Sour ICK TRACTO (2ND HALF, SENECK, DF	rce: CRG Da DR, 6X4, DIESE 2006) ROP DECK EQU	ataL POWERED,
Truck Tra <u>Cost Breakdown:</u> Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	ailer Descr	ription: GI	ENERIC FOLD	WAY TRU 400 HP ING GOO	JCK TRACTO (2ND HALF, SENECK, DF	rce: CRG Da DR, 6X4, DIESE 2006) ROP DECK EQU	ataL POWERED,
Truck Tra <u>Cost Breakdown:</u> Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	ailer Descr	ription: GI	ENERIC FOLD	400 HP ING GOO	(2ND HALF, SENECK, DF	2006) ROP DECK EQU	
Cost Breakdown: Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost				ING GOO	SENECK, DF	ROP DECK EQU	IPMENT
Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost	- :4:						
Available Rig Capac Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost							
Ownership Cost Operating Cost Operator Cost Helper Cost Total Unit Cost							
Operating Cost Operator Cost Helper Cost Total Unit Cost	cities	0-25 Tons	26-50 Tons	51+	Tons		
Operator Cost Helper Cost Total Unit Cost		\$10.44	\$22.18		3.94		
Helper Cost Total Unit Cost		\$26.48	\$54.55		5.65		
Total Unit Cost		\$22.52	\$22.52		2.52		
		\$0.00	\$23.53		3.53		
NON ROADABLE I	st/Hour:	\$59.44	\$122.78	\$12	25.64		
	FOUD	IENT.					
	LUUIN						
	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
	Unit (TONS)	Cost/hr/ unit	Cost/hr/uni t	Size	Cost/hr/ fleet	Cost/hr/ fleet	Cost/ fleet
		\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00
	25.00	\$1102					

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: Total one-way travel distance: Average Travel Speed:	CREEDE 12.00 40.00	miles
Total Non-Roadable Mob/Demob Cost *	\$796.86	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$8.26	

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