

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:
Becker Pit	M-2020-022	Sand, gravel and	Huerfano
		borrow material for	
		construction	
INSPECTION TYPE:	WEATHER:	INSP. DATE:	INSP. TIME:
Monitoring	Cloudy	April 25, 2025	12:00
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERAT	FION:
Austin & Betsy Clennin	Justin Clennin	110c - Construction	Limited Impact
REASON FOR INSPECTION:	BOND CALCULATION TYPE:	BOND AMOUNT:	
Normal I&E Program	Complete Bond	\$27,500.00	
DATE OF COMPLAINT:	POST INSP. CONTACTS:	JOINT INSP. AGE	NCY:
NA	None	None	
INSPECTOR(S):	INSPECTOR'S SIGNATURE:	SIGNATURE DAT	E:
Amber M. Gibson		June 1, 2025	
	1 AT 1410		
	Amber Xilson		

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 Y	(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>N</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>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 Y	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>N</u>	(OD) OFF-SITE DAMAGE <u>N</u>	

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

OBSERVATIONS

The Becker Pit was inspected by Amber Gibson with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. Justin Clennin (representing the Operator), accompanied me during the inspection. The sky was cloudy and the weather was warm.

The Becker Pit is located in Huerfano County approximately 4.3 miles south - southwest of Colorado City, Colorado. The entrance to the pit is via a private road owned by the Operator's on the west side of County Road 670. The pit is a 9.93-acre 110c Limited Operation Construction Materials Permit. The primary commodities being mined at the site are sand, gravel, and borrow material for construction. The approved post-mining land use is rangeland.

Availability of Records:

This is the first inspection conducted at the Becker Pit since the site was permitted in 2020. The annual report, map, and fee are paid and current through March 23, 2026.

Financial Warranty:

The Division currently holds a reclamation bond in the amount of \$27,500 for this site. The Division has updated the estimate for the reclamation liability and found it to be **\$29,033** -- a difference of \$1,533 from the bond currently held. The Division's cost estimate is enclosed with this report. The Operator will have 14 days (until June 16, 2025), from the issuance of this report to submit any questions on the cost estimate. If no questions are received, the Division may issue a surety increase notice for the difference. The Operator will have 60 days from the date of the notice to submit and obtain acceptance of the increase in financial warranty from the Division in accordance with Rule 4.2.1(2).

Hydrologic Balance/ Sediment Control:

No standing water was observed at the time of the inspection. The disturbance onsite is lined by berms and/or sloped towards the center of the pit. No excess sediment was observed outside of the permit boundary during the inspection. There is a small area along the entrance to the road that has begun to erode **that will need to be stabilized** (Photo 16). During the inspection, the Operator stated that they will grade the area to help stabilize it.

General Compliance with the Mine Plan:

Of the 9.93 permitted acres, only 9.33 acres are approved to be excavated. At the time of the inspection, approximately 6.63 acres have been excavated, and 7.82 acres total have been disturbed. Current disturbance includes areas where topsoil has been stripped and stockpiled, a central pit area, product stockpiles, and internal roads. There is an approximately 106 foot long by 10-foot-deep section of highwall in the center of the pit. Near the highwall, concrete material has been stockpiled that the Operator stated will be recycled into product.

The remaining 0.6 permitted acres consists of mining setbacks around the site. The mining plan states that the north, west, and east sides will have a 10-foot mining limit set back and the south side will have varying widths of setbacks to be maintained throughout the life of the permit. At the inspection, a low berm outlines the limits of the setback on the north and east sides to help delineate where the setbacks are. The south side, where the road enters the site, is lined by safety berms as stated in the mining plan.

The Operator provides detailed annual report and annual report maps. Since the Operator's 2024 annual report map submission (see Figure 1 at the end of this report) additional land in the north has been stripped. As seen in the aerial imagery on Map 1, much of the disturbed area has been stripped and topsoil is stockpiled on the

west and east sides. At the time of the inspection, product stockpiles were located within the northside of the stripped area.

There were a few pieces of equipment onsite at the time of the inspection. No equipment was observed outside of the permit boundaries. However, in the aerial image dated October 23, 2024 on Map 1, it appears that a piece of equipment was located along the west boundary at one point. The Division cautions the Operator to ensure that all equipment and equipment disturbance is confined within the permit boundaries to prevent enforcement actions for offsite impacts.

Roads:

The road leading to the permit area is a privately owned road. The mining plan states that the primary purpose for the mined material is to upgrade and maintain ranch roads throughout the Permittee's ranch property. The road has been upgraded since mining has begun, but as stated in the approved mine plan, this was the primary intent for the commodities mined from the operation and thus is not included in the permit boundary. Additionally, there is a truck scale and a scale house located along the privately owned road. When asked about the primary purpose and future plans for this infrastructure the Permittee stated that it has multiple uses including weighing cattle, storing supplies/cattle care items, and weighing material from this permit in addition to material from other permits held by the Permittee. The scale is located within the Clennin Ranch property and will remain on the property to continue to be used for cattle operations following the closure of the pit.

Signs and Markers:

A sign is posted at the entrance to the site in compliance with Rule 3.1.12(1). Permit boundary markers consist of t-posts posted around the site in compliance with Rule 3.1.12(2). The field marker coordinates were collected during the inspection using the Esri FieldMaps application (see green dot icons on Map 1). The permit boundary markers appear to be placed in the correct positions. There are also additional markers placed at the site to aid with line-of-site along the northern permit boundary.

Topsoil:

The mining plans states that "prior to mining a section of the surface it will be stripped of topsoil and placed around the mine setback or on the mine floor for used in reclamation. As mining progresses the stripped material may be placed directly on the seedbed, if it will not be re-disturbed." The 2024 annual report map indicates that topsoil is located within the mining setback along the west side of the pit, and at the edge of the disturbed area on the east side of the pit (see Figure 1). During the inspection, the Operator was asked if the material on the east side was topsoil to which they stated no, and that the topsoil was located on the west side in the stabilized configuration (Photo 11), and an additional newer pile is located east of that (Photo 10).

The Division believes that the material on the east side of the permit area may also consist of topsoil, as shown on the 2024 map, as much of it has what appears to be original grass cover. Per Rule 3.1.9(1), topsoil shall be removed and segregated from other spoil. If the east side does have topsoil, the **Operator shall** separate topsoil from overburden material and ensure that it is stabilized and protected from erosion. The darker pile on the west side of the pit shall also be stabilized. Also, as stated in the mining plan, if the topsoil stockpiles remain undisturbed for more than one growing season they **shall be seeded using the approved seed mix at a rate of 40lbs-pls per acre.**

Conclusions:

This concludes the Division's Inspection Report; a map and figure displaying topics discussed during the inspection, and a subset of corresponding photographs that were taken during the time of the inspection, are included below. If you need additional information or have any questions, please contact me by email at <u>amber.gibson@state.co.us</u> or by telephone at (720) 836-0967.

Inspection Contact Address Austin & Betsy Clennin

Austin & Betsy Clennin 10826 Clennin Road Rye, CO 81069

Enclosure: 2025 Reclamation Cost Estimate

CC: Austin & Betsy Clennin Jared Ebert, DRMS

Becker Pit

Google Earth

Irraga @ 2025 Airous

M-2020-022 2025 Inspection Report Map Aerial image dated 10-23-2024 Map created by A.M.G.



Field marker locations collected in Esri Field Maps

Map 1: 2025 Inspection map generated in Google Earth Pro.

INSPECTION PHOTOGRAPHS



Photo 1: Truck scale located along the private road within the Clennin Ranch property.



Photo 2: Mine sign located at the entrance to the site.



Photo 3: Looking into the site from the entrance. Safety berms are located along the south side of the road.



Photo 4: Looking along the south side of the permit area at the edge of the mesa.



Photo 5: Looking south from the northeastern permit boundary corner marker. The soil stockpiled in this area appears to at least partially consist of topsoil. If so, it needs to be segregated from overburden material, stabilized, and vegetated if not used for reclamation within one growing season.



Photo 6: Looking southeast at some product stockpiles and equipment within the site.



Photo 7: Looking east along the northern permit boundary at the 10' setback that is being maintained within this area.



Photo 8: Looking east at some stockpiled product.



Photo 9: Looking southwest at the western extent of the stripped area and at some equipment onsite.



Photo 10: New topsoil pile east of the stabilized pile. The Operator shall ensure this pile is stabilized and seeded if not used for reclamation within one growing season.



Photo 11: Looking north at the stabilized topsoil stockpile located within the mining setback on the west side of the permit area.



Photo 12: Looking east along the south side of the site from the southwest corner.



Photo 13: Stockpiled concrete stored onsite to be recycled into product.



Photo 14: Looking south along the section of highwall within the pit area.



Photo 15: Looking northwest at the gently sloped area on the west side of the striped area.



Photo 16: Looking west at the small area near the entrance to the stie where some erosion has begun to form that the Operator shall stabilize.



Figure 1: Screenshot from the Operator's 2024 annual report submission.

COST SUMMARY WORK

Task description:		2025 Reclamation Cost Estimate					
Site: Becker Pit		Pe	rmit Action:	2025 Inspection	Permit/Jol	o#: <u>M2020022</u>	
<u>PF</u>	ROJECT	IDENTIFIC	CATION				
	Task #:	000	State:	Colorado		Abbreviation:	None
	Date:	5/23/2025	County:	Huerfano		Filename:	M022-000
	User:	AMG					

TASK LIST (DIRECT COSTS)

Teck		Form	Fleet	Task	
Таяк	Description	Used	Size	Hours	Cost
001	3H:1V 400 foot long 35 ft highwall	DOZER	1	11.31	\$3,823
002	Spread 8 inches of topsoil over 9.33 acres	DOZER	1	15.72	\$5,316
003	Convert 2H:1V slopes to 3H:1V	DOZER	1	3.57	\$1,208
004	Vegetation over 9.3 acres	REVEGE	1	9.00	\$6,908
005	Mobilization	1	3.38	\$4,337	
		<u>SUBTO</u>	TALS:	42.98	\$21,592

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$436
Performance bond:	1.05	Total =	\$227
Job superintendent:	21.49	Total =	\$1,704
Profit:	10.00	Total =	\$2,159
		TOTAL O & P =	\$4,526
		CONTRACT AMOUNT (direct + O & P) =	\$26,118

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$500 4.25 5.00	Total = Total =	\$500 \$1,110 \$1,306
CONTINGENCY:	0.00	Total =	\$0
		TOTAL INDIRECT COST =	\$7,441

TOTAL BOND AMOUNT (direct + indirect) = <u>\$29,033</u>

BULLDOZER WORK

Task description:	3H:1V 40	H:1V 400 foot long 35 ft highwall				
Becker Pit		Permit Action:	Permit/Job#:	M2020022		
PROJECT IDENTIF	ICATION					
Task #:001		State: Colorado		Abbreviation:	None	
Date: <u>5/23/2025</u> User: <u>AMG</u>	Co	ounty: <u>Huerfano</u>		Filename:	1	
Agency or organ	nization name	: DRMS				
HOURLY EQUIPME	ENT COST					
Basic Machine:	<u>t D8T - 8SU</u>		_			
Horsepower: <u>310</u>) ni Universal		_			
Attachment: 3-s	hank ripper					
Shift Basis: 1 n	er dav					
Data Source: (CF	RG)					
~						
Cost Breakdown:		I	TT.'1' .' 0/			
Oren englin Cart/II		¢172.22	Utilization %			
Ownership Cost/Hour:		\$1/3.32 \$100.71	100			
Pipper own Cost/Hour:		\$109.71	100 NA			
Ripper on Cost/Hour:		\$14.55	25			
		\$1.55	25			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$338.13 \$338.13 TITIES					
MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume:	\$338.13 \$338.13 TTIES 5 5 4 LCX					
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 Source of estimated volu Source of estimated swell	\$338.13 \$338.13 TTIES 5 5 4 LCY me: M 1 factor: Ca	ining Plan at Handbook				
MAPPer op. Coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 Source of estimated volu Source of estimated swell HOURLY PRODUCT	<u>\$338.13</u> \$338.13 TITIES 5 5 4 LCY me: <u>M</u> 1 factor: <u>Ca</u> FION	ining Plan tt Handbook				
MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 Source of estimated volu Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product		ining Plan at Handbook				
MAPPer op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 Source of estimated volut Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly product Materials consistency destance	$ \begin{array}{c} $	ining Plan it Handbook eet 3.7 LCY/hr Compacted fill or en				
Apper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 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:	\$338.13 \$338.13 \$338.13 TTIES 5 4 LCY me: _M 1 factor: _Ca TION ction:70 fa ction:109 scription: 5 % 6,520 feet	ining Plan tHandbook eet 3.7 LCY/hr Compacted fill or en				
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 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:	$ \frac{\$338.13}{\$338.13} $ TITIES 5 5 4 LCY me: M 1 factor: Ca FION ction: 1,09 scription: -5 % 6,520 feet 3,300 lbs/L	ining Plan ining Plan at Handbook eet 3.7 LCY/hr Compacted fill or en				
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 Source of estimated volu Source of estimated volu Source of estimated volu Materials consistency des Average push distance: Unadjusted hourly product Materials consistency des Average site altitude: Material weight: Weight description:	\$338.13 \$338.13 TTIES 5 5 4 LCY me: <u>M</u> 1 factor: <u>Ca</u> FION ction: <u>70 fa</u> 1,09 scription: <u>-5 %</u> 6,520 feet 3,300 lbs/L Decompose	ining Plan ining Plan at Handbook eet 3.7 LCY/hr Compacted fill or en CY cY				
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 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	\$338.13 \$338.13 \$338.13 TITIES 5 5 4 LCY me: <u>M</u> 1 factor: <u>Ca</u> FION ction: <u>70 fa</u> 1,09 scription: <u>70 fa</u> 1,09 1,0	ining Plan ining Plan at Handbook eet 3.7 LCY/hr Compacted fill or en CY cY ed rock - 75% Rock,	nbankment 0.9			
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 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	\$338.13 \$338.13 TTIES 5 5 4 LCY me:<	ining Plan ining Plan it Handbook eet 3.7 LCY/hr Compacted fill or en CY ed rock - 75% Rock, 0.750 0.900				
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 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	\$338.13 \$338.13 \$1338.13 \$15338.13 \$171ES 5 5 4 LCY me: M 1 factor: Ca FION ction: 70 fc ction: 1,09 scription:	ining Plan ining Plan it Handbook eet 3.7 LCY/hr Compacted fill or en				
Mapper op. coornoul. Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: 4,78 Swell factor: 1.21 Loose volume: 5,81 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	\$338.13 \$338.13 \$1338.13 \$1338.13 \$171ES 5 4 LCY me: M 1 factor: Ca 1 factor: Ca 1 factor: Ca FION 70 fd ction: 1,09 scription:					

Task # 001

Spoil pi	le:	0.900	(SSD-FC)
Push gradient:		1.115	(CAT HB)
Altituc	Altitude:		(CAT HB)
Material Weight	Material Weight:		(CAT HB)
Blade type:		1.000	(PAT)
Net correction:		0.4702	
Adjusted unit production:	51	4.26 LCY/hr	
Adjusted fleet production:	Adjusted fleet production: 51		

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.658/LCY

Total job time:	11.31 Hours
Total job cost:	\$3,823

BULLDOZER WORK

Task description:	Sprea	d 8 inches	of topsoil ov	er 9.33 acres		
Becker Pit		Per	mit Action:	2025 Inspection	Permit/Job#:	M2020022
PROJECT IDEN	NTIFICATIO	DN				
Teal: #: 002		Stata	Colorado		Abbroviation	Nona
Date: $5/23/$	2025	County:	Huerfano		Filename	2
User: AMG	j j	County.	Internatio		i nename.	2
Agency of	r organization r	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>ST</u>				
Basic Machine:	Cat D8T - 8	SU				
Horsepower:	310					
Blade Type:	Semi-Unive	rsal				
Attachment:	3-shank ripp	er				
Shift Basis:	1 per day					
Data Source:	(CRG)					
Cost Breakdown						
COST DICARUOWII.				Litilization %		
Ownershin Cost/F	Iour:		\$173 32	NA		
Operating Cost/F	Iour:		\$109.71	100		
Ripper own Cost/F	Iour:		\$14.53	NA		
Ripper on. Cost/F	Iour:		\$1.99	25		
Operator Cost/F	Iour:		\$38.59	NA		
operator costri			\$50.57	INA	,	
Total unit Cost/Hou	ır: <u>\$338.1</u>	3				
Total Fleet Cost/Ho	our: \$338.1	3				
MATERIAL QU	ANTITIES					
Initial Volume	10.003					
Swell factor:	1 000					
Loose volume:	10 003 L CV					
Loose volume.	10,005 LC1					
Source of estimated	l volume:	Mining a	nd Reclamati	ion Plans		
Source of estimated	l swell factor:	Cat Hand	lbook			
HOURLY PROI	DUCTION					
		200.0				
Average push dista	nce:	200 feet	/1			
Unadjusted hourly	production:	491.9 LCY	/hr			
Materials consisten	cy description:	Loose	stockpile 1.2			
	, I					
Average push gradi	ent: -5 %					
Average site altitud	e: 6,520 f	feet				
-	<u> </u>					
Material weight:	1,600	bs/LCY				
-						
Weight description:	Top So	oil				
Job Condition Corr	ection Factor			Source		
One	erator Skill:	0.	.750	(AVG.)		
Material c	onsistency:	1.	.200	(CAT HB)		
Dozi	ng method:	1.	.200	(SLOT)		
	Visibility:	1.	.000	(AVG.)		
Ioh	efficiency.	0	.830	(1 SHIFT/DA	Y)	
300		0.			• /	

Task # 002

Spoil pi	ile:	0.900	(SSD-FC)
Push gradient:		1.115	(CAT HB)
Altitude:		1.000	(CAT HB)
Material Weight:		1.438	(CAT HB)
Blade type:		1.000	(PAT)
Net correction	on:	1.2935	
Adjusted unit production:	63	6.27 LCY/hr	
Adjusted fleet production: 63		6.27 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.531/LCY

Total job time:	15.72 Hours
Total job cost:	\$5,316

BULLDOZER WORK

		1 211.1 V slopes to em	.1 V		
Becker Pit		Permit Action:	2025 Inspection	Permit/Job#:	M2020022
PROJECT IDEN	NTIFICATION	I			
Task #: 003		State: Colorado		Abbreviation:	None
Date: 5/23/	2025	County: Huerfano		Filename:	3
User: AMC	Ĵ				
Agency of	r organization na	me: DRMS			
HOURLY EQU	IPMENT COS	<u>Γ</u>			
Basic Machine:	Cat D8T - 8SU	J			
Horsepower:	310	1			
Blade Type:	Semi-Universa	ıl			
Shift Basis:	<u>3-snank ripper</u>				
Data Source:	(CRG)				
Data Source.	(010)				
Cost Breakdown:					
	T	¢172.20	Utilization %		
Ownership Cost/F	lour:	\$1/3.32	<u> </u>		
Ripper own Cost/F	lour:	\$109.71	 ΝΔ		
Ripper own. Cost/F	Iour.	\$14.55 \$1.99	25		
Operator Cost/F	Iour:	\$38.59	NA		
MATERIAL OI					
MATERIAL QU Initial Volume: Swell factor: Loose volume:	JANTITIES 1,512 1.215 1.837 LCY				
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor:	Mining and Reclamat Cat Handbook	ion Plans		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: DUCTION	Mining and Reclamat Cat Handbook	ion Plans		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: DUCTION nce: 70 production: 1,1	Mining and Reclamat Cat Handbook) feet 093.7 LCY/hr	ion Plans		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consisten	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: DUCTION nce: 70 production: 1,9 cy description:	Mining and Reclamat Cat Handbook 9 feet 093.7 LCY/hr Compacted fill or e	ion Plans		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: DUCTION nce: 70 production: 1,9 cy description: ient: -5 % le: 6,520 fee	Mining and Reclamat Cat Handbook 9 feet 093.7 LCY/hr Compacted fill or e	ion Plans		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: d swell factor: DUCTION nce: 70 production: 1,1 cy description: ient: -5 % le: 6,520 fee	Mining and Reclamat Cat Handbook) feet 093.7 LCY/hr Compacted fill or e	ion Plans		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud Material weight: Weight description	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: d swell factor: DUCTION nce: 70 production: 1,1 cy description: ient: -5 % 6,520 fee	Mining and Reclamat Cat Handbook 0 feet 093.7 LCY/hr Compacted fill or e et s/LCY osed rock - 75% Rock	ion Plans mbankment 0.9		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud Material weight: Weight description	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: d swell factor: DUCTION nce: 70 production: 1,1 cy description: ient: -5 % le: 6,520 fee 3,300 lbs : Decompto	Mining and Reclamat Cat Handbook 0 feet 093.7 LCY/hr Compacted fill or e et s/LCY osed rock - 75% Rock	ion Plans mbankment 0.9		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud Material weight: Weight description Job Condition Corr Ope	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: d swell factor: DUCTION nce: 70 production: 1,1 cy description: ient: -5 % le: -6,520 fee	Mining and Reclamat Cat Handbook 0 feet 093.7 LCY/hr Compacted fill or e et s/LCY osed rock - 75% Rock 0.750	ion Plans 		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROJ Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud Material weight: Weight description Job Condition Corr Ope Material c	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: d swell factor: DUCTION nce: 70 production: 1,5 ient: -5 % 6,520 feet 3,300 lbs : Decompose rection Factor erator Skill: onsistency: ng method	Mining and Reclamat Cat Handbook 0 feet 093.7 LCY/hr Compacted fill or e et 5/LCY osed rock - 75% Rock 0.750 0.900 1 200	ion Plans 		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consisten Average push gradi Average site altitud Material weight: Weight description Job Condition Corr Ope Material c	JANTITIES 1,512 1.215 1,837 LCY d volume: d swell factor: d swell factor: DUCTION nce: 70 production: 1,1 cy description: ient: -5 % le: 6,520 fee 3,300 lbs : Decomposition: rection Factor erator Skill: onsistency: ng method:	Mining and Reclamat Cat Handbook 0 feet 093.7 LCY/hr Compacted fill or e et 5/LCY osed rock - 75% Rock 0.750 0.900 1.200 1.000	ion Plans 		

le: 0.900	(SSD-FC)
nt: 1.115	(CAT HB)
le: 1.000	(CAT HB)
ht: 0.697	(CAT HB)
pe: 1.000	(PAT)
on: 0.4702	
514.26 LCY/hr	
514.26 LCY/hr	
	le: 0.900 nt: 1.115 le: 1.000 ht: 0.697 pe: 1.000 on: 0.4702 514.26 LCY/hr 514.26 LCY/hr

JOB TIME AND COST

Bulldozer Worksheet Cont'd

Fleet size:	1 Dozer(s)
Unit cost:	\$0.658/LCY

Total job time:	3.57 Hours
Total job cost:	\$1,208

REVEGETATION WORK

Task descri	ption:	Vegetation over	9.3 acres			
Site: Becker l	Pit	Per	mit Action:	2025 Inspection	Permit/Jol	o#: <u>M2020022</u>
PROJECT	IDENTIFIC	CATION				
Task #:	004	State:	Colorado		Abbreviation:	None
Date:	5/23/2025	County:	Huerfano		Filename:	4
User	AMG					

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
13-13-13, 19-9-0	40.00	pound	\$0.72	\$28.84
			Total Fertilizer Materials Cost/Acre	\$28.84

Application

Description		Cost /Acre
Tractor spreader (MEANS 32 91 13.16 0950)		\$30.93
	Total Fertilizer Application Cost/Acre	\$30.93

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Lovington	0.50	8.16	\$13.88
Sideoats Grama - Vaughn	6.50	21.34	\$159.84
Western Wheatgrass - Arriba	10.00	25.25	\$90.34
Wheat, Winter - Tam 107	25.00	22.96	\$13.51
Totals Seed Mix	42.00	77.71	\$277.57

Application

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

JOB TIME AND COST

No. of Acres:	9.3	Cost /Acre:	\$573.98	
Estimated Failure Rate:	33%	Cost /Acre*:	\$514.21	
*Selected Replanting Work Items:	SEEDING			
Initial Job Cost: \$5,338.01				

Reseeding Job Cost:	\$1,578.11
Total Job Cost:	\$6,916
Job Hours:	9.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Becker Pit		Permit	Action: 2025	Inspection	<u>1 </u>	Permit/Job#: <u>M</u>	2020022
PROJECT ID	ENTIFICATI	<u>ON</u>					
Task #:0	05	State: Co	olorado		Abbro	eviation: None	
Date:6/1/2025County:HuerfanoUser:AMG				F:	ilename: M022	2-005	
Agency	or organization	n name: DRMS					
EQUIPMENT	TRANSPOR	<u>T RIG COST</u>					
					Shift ba	sis: 1 per da	у
				(Cost Data Sou	rce: CRG Da	ta
Tru	ck Tractor Desc	ription: GENE	RIC ON-HIGH	WAY TRI	ICK TRACTO	OR 6X4 DIFSFI	POWERED
110	ek Hactor Dese	inpuoli. OLIVE		400 HP	(2ND HALF	2006)	LIOWERED,
Tm	ick Trailer Desc	rintion: G	ENERIC FOI D	ING GOC	SENECK DI	2000) ROP DECK FOU	IPMENT
110	lek Huner Dese				(25T 50T A)	ND 100T)	
					1/201.001.001		
				INAILLK	(251, 501, A)	ND 1001)	
Cost Breakdown:	<u>.</u>			IRAILER	(231, 301, AI	ND 1001)	
Cost Breakdown: Available Rig	Capacities	0-25 Tons	26-50 Tons	51-	+ Tons	ND 1001)	
Cost Breakdown: Available Rig Ownersh	Capacities ip Cost/Hour:	0-25 Tons \$10.44	26-50 Tons \$22.18	51- \$2	+ Tons 23.94	<u>ND 1001)</u>	
Cost Breakdown: Available Rig Ownersh Operatii	Capacities ip Cost/Hour: ng Cost/Hour:	0-25 Tons \$10.44 \$26.48	26-50 Tons \$22.18 \$54.55	51- 52 \$2	+ Tons 23.94 55.65	<u>ND 1001)</u>	
Cost Breakdown: Available Rig Ownersh Operatin Operat	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52	26-50 Tons \$22.18 \$54.55 \$22.52	51- \$2 \$2 \$2 \$2 \$2	Tons 23.94 55.65 22.52	<u>ND 1001)</u>	
Cost Breakdown: Available Rig Ownersh Operati Operat Help	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53	51- 52 \$2 \$2 \$2 \$2 \$2 \$2 \$2	Tons 23.94 55.65 22.52 23.53	<u>ND 1001)</u>	
Cost Breakdown: Available Rig Ownersh Operati Operat Help Total Ur	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: nit Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	51- 52 52 52 52 52 52 52 52 51	Tons 23.94 55.65 22.52 23.53 25.64	<u>vD 1001)</u>	
Cost Breakdown Available Rig Ownersh Operati Operat Help Total Ur	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: nit Cost/Hour:	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	51- \$2 \$2 \$2 \$2 \$2 \$1	+ Tons 23.94 55.65 22.52 23.53 25.64	<u>vD 1001)</u>	
Cost Breakdown: Available Rig Ownersh Operati Operat Help Total Ur	Capacities ip Cost/Hour: ig Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EOUIPN	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	51- \$2 \$2 \$2 \$2 \$1 \$1	+ Tons 23.94 55.65 22.52 23.53 25.64	<u>vD 1001)</u>	
Cost Breakdown: Available Rig Ownersh Operati Operat Help Total Ur	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: nit Cost/Hour: BLE EQUIPN	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT:	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78	51- \$2 \$2 \$2 \$2 \$1 \$1	+ Tons 23.94 55.65 22.52 23.53 25.64		
Cost Breakdown: Available Rig Ownersh Operati Operati Help Total Ur NON ROADA Machine	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EQUIPN Weight/	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig	51- 52 52 52 52 52 52 52 52 51 51 51 51 52 52 52 52 52 52 52 52 52 52 52 52 52	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip	Return Trip	DOT Permi
Cost Breakdown: Available Rig Ownersh Operatin Operat Help Total Ur NON ROADA Machine Description	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EQUIPN Weight/ Unit	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni	51- 52 52 52 52 52 52 52 51 51 51 51 51 51 52 52 51 52 52 52 52 52 52 52 52 52 52 52 52 52	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/	Return Trip Cost/hr/ fleet	DOT Permi Cost/ fleet
Cost Breakdown: Available Rig Ownersh Operatin Operat Help Total Ur NON ROADA Machine Description	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EQUIPN Weight/ Unit (TONS)	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t	51- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cost Breakdown: Available Rig Ownersh Operatin Operat Help Total Ur NON ROADA Machine Description Cat D8T - 8SU	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EQUIPN Weight/ Unit (TONS) 53.08	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$187.85	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64	51- \$2 \$2 \$2 \$2 \$2 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$2 \$2 \$2 \$1 \$2 \$1 \$2 \$2 \$2 \$1 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$313.49	Return Trip Cost/hr/ fleet \$125.64	DOT Permit Cost/ fleet \$250.00
Cost Breakdown: Available Rig Ownersh Operatin Operatin Operat Help Total Ur NON ROADA Machine Description Cat D8T - 8SU CAT 14M	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EQUIPN Weight/ Unit (TONS) 53.08 23.57	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$187.85 \$135.56	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64 \$59.44	51- \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$1 1	+ Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$313.49 \$195.00	Return Trip Cost/hr/ fleet \$125.64 \$59.44	DOT Permit Cost/ fleet \$250.00 \$250.00
Cost Breakdown: Available Rig Ownersh Operatin Operatin Operatin Help Total Ur NON ROADA Machine Description Cat D8T - 8SU CAT 14M Drill/Broadcast Seeder with Tractor	Capacities ip Cost/Hour: ng Cost/Hour: or Cost/Hour: er Cost/Hour: hit Cost/Hour: BLE EQUIPN Weight/ Unit (TONS) 53.08 23.57 25.00	0-25 Tons \$10.44 \$26.48 \$22.52 \$0.00 \$59.44 MENT: Owner ship Cost/hr/ unit \$187.85 \$135.56 \$41.02	26-50 Tons \$22.18 \$54.55 \$22.52 \$23.53 \$122.78 Haul Rig Cost/hr/uni t \$125.64 \$59.44	51- \$2 \$2 \$2 \$1 \$2	► Tons 23.94 55.65 22.52 23.53 25.64 Haul Trip Cost/hr/ fleet \$313.49 \$195.00 \$200.92	Return Trip Cost/hr/ fleet \$125.64 \$59.44 \$118.88	DOT Permit Cost/ fleet \$250.00 \$250.00 \$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, 1 T. Crew	\$24.60	1	\$24.60	\$24.60
Water Tanker, 3,500 Gal.	\$53.90	1	\$53.90	\$53.90
		Subtotals:	\$78.50	\$78.50

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	COLORADO CITY	
Total one-way travel distance:	4.30	miles
Average Travel Speed:	45.00	mph
Total Non-Roadable Mob/Demob Cost *	\$4,321.90	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$15.00	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.10	0.10
Return Time (Hours):	0.10	0.10
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.69	0.19

JOB TIME AND COST

Total job time: **3.38** Hours

Total job cost: **\$4,337**