

MINE NAME:

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/PROSPECTING ID#:

1,111 (2) 1 (111)		11111 (2/11/08/12/14/08/18/14/08/18/14/14/18/14/14/14/14/14/14/14/14/14/14/14/14/14/	1,111,121,121,1	00011221
Fedinec Pit		M-1977-057	Crushed stone mater	Moffat
INSPECTION TYPE:		WEATHER: Clear	INSP. DATE:	INSP. TIME:
Preoperation Inspection			July 25, 2023	12:00
OPERATOR:		OPERATOR REPRESENTATIVE:	TYPE OF OPERAT	TION:
Camilletti LLC		Lisa Lawton	112c - Construction	Regular Operation
REASON FOR INSPECTION:		BOND CALCULATION TYPE:	BOND AMOUNT:	
Preoperation Inspection		Complete Bond	\$57,900.00	
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGE	NCY:
NA		None	None	
INSPECTOR(S):	INSPE	CTOR'S SIGNATURE:	SIGNATURE DAT	E:
Zach Trujillo			August 10, 2023	
	30	T36		

MINERAL:

COUNTY:

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Section 3.1.12(1) of the rule. The Operator shall, at the entrance of the mine site post a sign, which shall be clearly visible from the access road, with a minimum size equaling one hundred and eighty-seven (187) square inches, such as eleven (11) inches in height and seventeen (17) inches in width, with appropriate font size, with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number.

CORRECTIVE ACTIONS: The operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 9/09/23

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS <u>N</u>	(FN) FINANCIAL WARRANTY <u>N</u>	(RD) ROADS <u>Y</u>
(HB) HYDROLOGIC BALANCE <u>Y</u>	(BG) BACKFILL & GRADING <u>N</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING N	(SF) PROCESSING FACILITIES N	(TS) TOPSOIL \underline{Y}
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION <u>Y</u>
(SM) SIGNS AND MARKERS PB	(SP) STORM WATER MGT PLAN N	(RS) RECL PLAN/COMP N
(ES) OVERBURDEN/DEV. WASTE <u>N</u>	(SC) EROSION/SEDIMENTATION \underline{Y}	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS N	(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 part of the Colorado Division of Reclamation, Mining and Safety (Division) by Zach Trujillo as of the requirements for permitting action SO-03. The Fedinec Pit is a 112c permitted site that includes approximately 23 permitted acres. This site is located approximately five miles southeast of Craig, Colorado and is accessed from Moffatt County Road 120. Representatives of Beeman Oil & Gas attended the inspections on behalf of the Operator, Camilletti, LLC.

The site was inactive at the time of the inspection and has remained unchanged since the last inspection conducted by the Division in 2022. Per the last annual report the site was last active in 2015. No fuel or structures were observed on site. Equipment was staged along County Road 120. It should be noted that all mining related activities will need to be within the approved Permit Boundary.

Roads were stable. Vegetation has begun to grow within the road bench due to lack of useage.

Vegetation establishment within the affected area of the permit due to lack of site activity is evident. Thistle was observed along the road corridors and it is recommended to be sprayed. Continual monitoring and application of the approved weed control plan along the site, most notably in this area, should continue.

The site was inspected for erosion. No signs of rills, gullies or any erosional features were observed.

Permit and affected land boundary was walked with the mine Representatives to clearly identify boundaries. All markers were observed. T-posts clearly delineated the area of disturbance. The mine identification sign was not observed on site. Per 3.1.12, At the entrance of the mine site the Operator shall post a sign, which shall be clearly visible from the access road, with a minimum size equaling one hundred and eighty-seven (187) square

inches, such as eleven (11) inches in height and seventeen (17) inches in width, with appropriate font size, with the following: (a) the name of the Operator and the operation name; (b) a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and (c) the permit number.

Currently the Division holds a Financial Warranty in the amount of \$59,700 for this site that was last calculated with CN-1. As part of the Succession of Operator application SO-03, Camilletti LLC maintained the right to a decision of the application within 30 days. As part of this process, the Division reviews the financial warranty after issuing the decision on SO-03 and inspection of the site. Part of this inspection was reviewing the current site status and reclamation plan in relation to financial warranty. Based on this inspection, the site has remained unchanged and so the reclamation tasks associated with the Fedinec Pit also remain unchanged since the issuance of CN-1. The financial warranty was last calculated by the Division was in 2017 and the costs associated with the reclamation cost estimate have now been updated. The total amount associated with the updated reclamation cost estimate is \$94,295. This is an **increase of \$36,395**. Attached is the Division's reclamation cost estimate for the Fedinec Pit. If the Operator has any questions or comments regarding the increase to the required financial warranty, please provide a response to the Division by August 25, 2023. After this date, the Division with initiate the Surety Increase process.

Responses to this inspection report should be directed to: Zach Trujillo at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 303-866-3567 x.8164 or via email at zach.trujillo@state.co.us.

PHOTOGRAPHS



Fedinec Pit general overview.



Thistle along access road.

Inspection Contact Address Lisa Lawton

Lisa Lawton Beeman Oil & Gas 3701 Hwy 394 Craig, CO 81625

Enclosure

CC: Amy Eschberger

COST SUMMARY WORK

_	Fedinec Pit	Per	mit Action:	SO-03		Permit/Job	o#: <u>M1977057</u>
R	OJECT IDENTIFICATIO	<u>N</u>					
	Task #: 000	State:	Colorado		1	Abbreviation:	None
	Date: 8/10/2023	County:	Moffat			Filename:	M057-000
	User: ZTT	- ,					
	Agency or organization	name: DR	MS				
	<i>.</i>						
\[A	ASK LIST (DIRECT COST	<u>(S)</u>					
ζ.				Form	Fleet	Task	_
	Description			Used	Size	Hours	Cost
	Rip benches, stockpile areas	, and access	roads,	RIPPER	1	6.06	\$2,718
	appx 3 acres	1 (" ' 1		DOZED.	١.	20.50	Φο 222
	Reduce slopes to a 3:1, Roug			DOZER	$\frac{1}{1}$	20.58	\$9,222
	Distribute topsoil over affect	ted areas		TRUCK1	$\frac{1}{1}$	17.60	\$17,269
	Revegetate 10 Acres			REVEGE	$\frac{1}{1}$	16.00	\$43,943
	Mobilization, Demob			MOBILIZE	1	2.93	\$4,033
				SURT	OTALS:	63.17	\$77,185
				SCDIV	JIALS.		
_							
IN	DIRECT COSTS						
ΟV	ERHEAD AND PROFIT:						
	Liability insurance:	2.02				Total = \$	1,559
		1.05					810
		31.58					2,055
		10.00					7,718
					TOTAI		12,143

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0
Reclamation management and/or administration:	5.00		\$4,466

CONTINGENCY: 0.00 Total = \$0

TOTAL INDIRECT COST = \$17,110

TOTAL BOND AMOUNT (direct + indirect) = \$94,295

BULLDOZER RIPPING WORK

	Task description:	: Rip	benches, stockpile areas,	and access ro	oads, appx 3 acres			
Site	: Fedinec Pit		Permit Action: _	SO-03	Pern	nit/Job#:	M19770	57
	PROJECT ID	ENTIFICAT	<u>ION</u>					
	Task #: 00	1	State: Colorado		Abbrev	iation:	None	
		0/2023	County: Moffat			ename:	M057-00	1
	User: ZT	T	•					
	Agency	or organization	n name: DRMS					
	HOURLY EQ	UIPMENT C	OST					
	Basic	Machine: Ca	nt D8T - 8SU		Horsepower:		310	
	Ripper Att	tachment: 3-	Shank Ripper	<u> </u>	Shift Basis:		er day	
					Data Source:	(CRG)	
	Cost Breakdown	<u>:</u>		i				
		0 1: 0	N	Φ241.20	Utilization %			
		Ownership C		\$241.38	NA 100			
	Rinn	Operating C er Ownership C		\$143.92 \$14.11	100 NA			
		per Operating C		\$7.45	100			
	P1	Operator C		\$41.30	NA			
		Total Unit C		\$448.16				
		Total Fleet C	Cost/Hour: \$448	.16				
	MATERIAL (DUANTITIES	Sele	cted estimating	g method: Area			
	Alternate Method		<u> </u>	eted estimating	g memou. <u>Theu</u>			
ismic:	NA	<u></u>	Bank Volume:	NA	BCY		NA	
Area:	$\frac{100}{3.00}$	acres	Rip Depth (ft):	1.50	Volume: 7,2	60	IVA	BCY or C
			imated quantity: Operato					
	HOUDI V DD		mated quantity. Operate	n i i ovided				
	HOURLY PRO	<u>ODUCTION</u>						
	Seismic:		C ' ' 17 1 '	NTA	C /	1		
			Seismic Velocity:	NA	feet/second	1		
	Area:							
			ge Ripping Depth:	2.56	feet/pass			
			ge Ripping Width:	7.08	feet/pass			
			ge Ripping Length: rage Dozer Speed:	50.00 88.00	feet/pass feet/minute	a		
			e Maneuver Time:	0.25	minutes/pa			
			ction per unit area:	0.596	acres/hour			
	Job Condition Co	orrection Factor	<u></u>					
			y Unit Production:	0.596	Acres/hr			
			Site Altitude:	6,796	feet			
			Altitude Adj:	1.00	(CAT HB))		
			Job Efficiency:	0.83	(1 shift/day	y)		
			Net Correction:	0.83	multiplier			
			d Hourly Unit Production: Hourly Fleet Production:	0.49 0.49	Acres/hr Acres/hr			
	JOB TIME AN	ND COST						
	Fleet size: _	1	_ Grader(s)	Total job tir	ne: 6.0	6	Но	urs
	Unit cost:	\$906.021	Per acre	Total job co	ost: \$2.7	18		

BULLDOZER WORK

Fedinec Pit		•	3:1, Roug			
reumet 1 it		Permi	it Action:	SO-03	Permit/Job#:	M1977057
PROJECT IDEN	NTIFICATIO	<u>)N</u>				
Task #: 002		State:	Colorado		Abbreviation:	None
Date: $\frac{8/10}{}$	2023		Moffat		Filename:	M057-002
User: ZTT					-	
A ganay o	r organization 1	name: DRN	AS.			
Agency 0	i organization i	name. DKN	/15			
HOURLY EQU	IPMENT CO	<u>ST</u>				
Basic Machine:	Cat D8T - 8	SU				
Horsepower:	310					
Blade Type:	Semi-Unive	rsal				
Attachment:	3-shank ripp	per				
Shift Basis:	1 per day					
Data Source:	(CRG)			_		
Cost Breakdown:						
				Utilization %		
Ownership Cost/H	Hour:		\$241.38	NA		
Operating Cost/H			\$143.92	100		
Ripper own. Cost/H			\$14.11	NA		
Ripper op. Cost/H			\$7.45	100		
Operator Cost/H	Hour:		\$41.30	NA		
Total Fleet Cost/Ho	our: \$448.1	16 16				
MATERIAL QU Initial Volume: Swell factor:	7,641 1.000		- -			
MATERIAL QU Initial Volume:	7,641		- - -			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	7,641 1.000 7,641 LCY d volume: d swell factor:	16		on, Mining & Safety		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated	7,641 1.000 7,641 LCY d volume: d swell factor:	Division of		on, Mining & Safety		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	7,641 1.000 7,641 LCY d volume: d swell factor:	Division of		on, Mining & Safety		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce:	Division of Cat Handbo	ook	on, Mining & Safety		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROI Average push dista	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production:	Division of Cat Handbo	ook /hr	on, Mining & Safety		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production: cy description: dent: 5 %	Division of Cat Handbo	ook /hr			
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	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production: cy description: de: 5 % 6,796	Division of Cat Handbo	ook /hr			
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 gradia Average site altitude	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production: cy description: det: 6,796 2,550	Division of Cat Handbo	ook /hr			
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push gradial Average site altitude Material weight: Weight description Job Condition Corre	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production: cy description: det:	Division of Cat Handbo 75 feet 1,017.1 LCY/ Compact feet lbs/LCY - Dry packed	ook /hr ed fill or e	mbankment 0.9		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push gradi Average site altitud Material weight: Weight description Job Condition Corre	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production: cy description: det:	Division of Cat Handbo 75 feet 1,017.1 LCY/ Compact feet lbs/LCY - Dry packed 0.75	ook /hr ed fill or e	mbankment 0.9 Source (AVG.)		
MATERIAL QU Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push dista Unadjusted hourly Materials consistent Average push gradia Average site altitud Material weight: Weight description Job Condition Corr Oper Material of	7,641 1.000 7,641 LCY d volume: d swell factor: DUCTION nce: production: cy description: det:	Division of Cat Handbo 75 feet 1,017.1 LCY/ Compact feet lbs/LCY - Dry packed	ook /hr ed fill or e	mbankment 0.9		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3651

Adjusted unit production: 371.34 LCY/hr
Adjusted fleet production: 371.34 LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.207/LCY

Total job time: 20.58 Hours
Total job cost: \$9,222

TRUCK/LOADER TEAM WORK

Task description:	Distribu	ıte topsoil over af	fected areas			
Site: Fedinec Pit		Permit Actio	on: SO-03		Permit/Job#:M	11977057
PROJECT IDEN	NTIFICATION	<u>[</u>				
Task #: 003		State: Colora		Ab	breviation: No	
Date: $8/10/$ User: ZTT	2023	County: Moffat			Filename: Mo	057-003
	r organization nar	ne: DRMS				
	C			G1 16 1		
HOURLY EQUI	IPMENT COS.	<u> </u>	Equipment Descri		is: 1 per day	
-	Truck Loader Tea		Equipment Descri 730	puon		
	- ant Eastings and I		Γ 950H high lift			
Supp	oort Equipment -L Dı-		D8T - 8SU			
Road M	Iaintenance –Mot	or Grader: NA				
	-W a	nter Truck: NA				
Cost Breakdown:		ader Team		Equipment		nce Equipment
	Truck	Loader	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	100	NA	100	NA	NA
Ownership cost/hour:	\$108.06	\$49.32	NA	\$241.38	NA	NA
Operating cost/hour:	\$71.88	\$39.80	NA	\$143.92	NA	NA
%Utilization-riper:	NA	0	NA	NA	NA	NA
Ripper own. cost/hour:	NA	\$0.00	NA	\$0.00	NA	NA
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	NA	NA
Operator cost/hour:	\$32.54	\$40.71	NA	\$41.30	NA	NA
Unit Subtotals:	\$212.48	\$129.83	NA	\$426.60	NA	NA
Number of Units:	2	1	0	1	0	0
Group Subtotals:	Work:	\$554.79	Support:	\$426.60	Maint:	\$0.00
Total work team co	st/hour: \$981.3 9)				
MATERIAL QU	IANTITIES					
		CCV	G 11	6 4 1 000		
Initial volume Loose volume		0 CCY LCY	Swell	factor: 1.000		
			CD 1	Minima O Cat		
	ource of estimated e of estimated swe		ion of Reclamatic	on, Mining & Safe	ety	
Source	Material Purch					
	To	otal Cost: \$0.00				
HOUDI V DD	DUCTION					
HOURLY PRO	DUCTION					
Truck Capacity:	: 10 D :					
Truck Payload (wei			Pounds/LCY	-		
	ription: Top So	oil	rounds/LC r			
Rated Pa	ayload: 62,000		Pounds			
Payload Ca	pacity: 38.75		LCY			

Truck Bed (volume) Bas Struck Volume:	1	17.10	LCY						
Heaped Volume:		22.10	LCY						
Average Volume:		19.60	LCY						
Adjusted Volume:	2	22.10	LCY						
F	inal Tru	ick Volum	e Based c	on Number of	Loader Passes:	18.0	6	LCY	
Loading Tool Capacity	mar 11a	ick volum	e Busea e	on reamour or	Louder 1 asses.		<u> </u>	_ LC1	
<u> </u>					Buc	ket Size Class	: NA		
Rated Capacity	/:	4.300	LC	Y (heaped)					
Bucket Fill Factor		1.050			andy clay (100%	- 110%) 1.05	50		
Adjusted Capacity	/:	4.515	LC	CY		,			
Job Condition Correcti	ons:			Sit	te Altitude (ft.):	6796 feet			
	Tı	ruck		Loader	Source				
Altitude Adj:	1.	.000		1.000	(CAT HE	3)			
Job Efficiency:	0.	.830		0.830	(CAT HE	3)			
Net Correction:	0.	.830		0.830					
Loading Tool Cycle Ti	me:	Numbe	er of Load	ding Tool Pas	sses Required to	Fill Truck:		4	passes
Loading Tool Cycle Ti Excavators and Front Sh		Numbe	er of Load	ding Tool Pas	sses Required to	Fill Truck: _		4	passes
Excavators and Front Sh	ovels:			-	sses Required to	Fill Truck: _		4	passes
-	ovels: ne vs. Jo	ob Conditio	on Rating	g: NA	sses Required to	Fill Truck: _		4	passes
Excavators and Front Sh Machine Cycle Tir Selected Va	ovels: ne vs. Jo lue with	ob Conditionin this Bas	on Rating sic Rating	g: NA	sses Required to	Fill Truck: _		4	passes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade	ovels: ne vs. Jo lue with rs – Mat	ob Conditionin this Bas	on Rating sic Rating	g: NA	sses Required to	Fill Truck: _		4	passes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m	ovels: ne vs. Jo lue with rs – Mat	ob Condition in this Bast terial Desc	on Rating sic Rating cription:	g: NA g: NA	sses Required to			4	passes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade	ovels: ne vs. Jo lue with rs – Mat	ob Condition in this Bast terial Desc	on Rating sic Rating	g: NA g: NA	sses Required to	Fill Truck: _	0.100	4	passes
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m	ovels: ne vs. Jo lue with rs – Mat in.):	ob Condition in this Bast terial Desc	on Rating sic Rating cription: Maneuver	g: NA g: NA		Dump:	0.100		passes
Excavators and Front Shadenine Cycle Tire Selected Va Track Loade Cycle Time Elements (material Load: NA Wheel and Track Loads	ovels: ne vs. Jo lue with rs – Mat in.): ers - Un	ob Condition in this Bast terial Desc	on Rating sic Rating cription: Maneuver	g: NA g: NA		Dump:	0.100		
Excavators and Front Sh Machine Cycle Tir Selected Va Track Loade Cycle Time Elements (m Load: NA	ovels: ne vs. Jo lue with rs – Mat in.): ers - Un	ob Condition in this Bast terial Desc	on Rating sic Rating cription: Maneuver	g: NA g: NA		Dump: _	0.100	00 mi	
Excavators and Front Shadehine Cycle Tire Selected Va Track Loade Cycle Time Elements (magenta and Track Loade) Wheel and Track Loade Cycle Time Factor	ovels: ne vs. Jo lue with rs – Mat in.): ers - Una ors al: M	ob Condition this Basterial Description Indicates Baseline Baselin	on Rating sic Rating ription: Maneuver assic Load rial 0.02	g: NA g: NA	ne (load, dump, 1	Dump: maneuver): Factor (mi	0.100	00 mi	
Excavators and Front Shanne Cycle Tire Selected Va Track Loade Cycle Time Elements (magenta Load: NA Wheel and Track Load: NA Wheel and Track Load: Materia Stockpii Truck Ownersh	ovels: ne vs. Jo lue with rs – Mat in.): ers - Un: ors al: M le: Co	ob Condition this Basterial Description In the Internal Description In the Internal	on Rating sic Rating ription: Maneuver sasic Load rial 0.02 r dozer pivnership of the results o	g: NA g: NA r: NA der Cycle Tin led 10 ft. high	ne (load, dump, 1	Dump:	0.100 0.50	Source (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shanne Cycle Tire Selected Va Track Loade Cycle Time Elements (magnetic Load: NA Wheel and Track Load: NA Wheel and Track Load: Materia Stockpii Truck Ownersh Operation	ovels: ne vs. Jo lue with rs – Mat in.): ers - Una ors al: M le: Co ip: Co on: Co	ob Condition this Basterial Description In the Internal Description In the Internal	on Rating sic Rating ription: Maneuver sasic Load rial 0.02 r dozer pi vnership deration -0	g: NA g: NA r: NA der Cycle Tin led 10 ft. high	ne (load, dump, 1	Dump:	0.100 0.50	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shanne Cycle Tire Selected Va Track Loade Cycle Time Elements (magenta Load: NA Wheel and Track Load: NA Wheel and Track Load: Materia Stockpii Truck Ownersh	ovels: ne vs. Jo lue with rs – Mat in.): ers - Una ors al: M le: Co ip: Co on: Co	ob Condition this Basterial Description In the Internal Description In the Internal	on Rating sic Rating ription: Maneuver assic Load rial 0.02 redozer piction redozer piction redozer control r	g: NA y: NA r: NA der Cycle Tin led 10 ft. high of trucks and 0.04	ne (load, dump, 1 h or less 0.01 loaders -0.04	Dump:	0.100 0.50 in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)	
Excavators and Front Shanne Cycle Tire Selected Va Track Loade Cycle Time Elements (magnetic Load: NA Wheel and Track Load: NA Wheel and Track Load: Materia Stockpii Truck Ownersh Operation	ovels: ne vs. Jo lue with rs – Mat in.): ers - Una ors al: M le: Co ip: Co on: Co	ob Condition this Basterial Description In the Internal Description In the Internal	on Rating sic Rating ription: Maneuver assic Load rial 0.02 redozer pivnership over the control of the control	g: NA NA T: NA der Cycle Tin led 10 ft. high of trucks and 0.04 Net Cycle Tim	ne (load, dump, 1) h or less 0.01 loaders -0.04 ne Adjustment:	Dump:	0.100 0.50 in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes	
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Excavators and Front Share Machine Cycle Tire Selected Va Track Loade Cycle Time Elements (machine Load: NA NA Wheel and Track Load: Na Cycle Time Factor Materia Stockpi Truck Ownersh Operation Dump Targ	ne vs. Jolue with rs – Matin.): ers - Unatropers Matin. de: Color: Color: Color: Color: Color: No.	ob Condition this Basterial Description In the Internal Description In the Internal	on Rating sic Rating ription: Maneuver assic Load rial 0.02 redozer piction rought of the control of the contr	g: NA R: NA r: NA der Cycle Tin led 10 ft. high of trucks and 0.04 Net Cycle Tim djusted Loade Net Load Ti	ne (load, dump, ne less 0.01 loaders -0.04 l	Dump: maneuver): Factor (m 0.020 0.010 -0.040 -0.040 0.000 -0.050 0.450	0.100 0.50 in.)	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes	nutes
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<u>Truck Travel (Haul & Return) Time:</u> Road Condition: <u>Soft, rutted dirt, no maintenance or water, 4" tire penetration 8.0</u>

Truck(s)

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	150.00	5.00	8.00	13.00	565	0.284

Task # 003

Haul Time: **0.284** minutes

Return Route:

return re	rute.						
Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)	
1	150.00	-5.00	8.00	3.00	2936	0.206	

Return Time: 0.206 minutes Total Truck Cycle Time: 3.540 minutes

Selected Number of Trucks: 2

Loading Tool unit

Optimal No. of Trucks:

Adjusted for job efficiency: 438.73 Production 528.59 LCY/Hour LCY/Hour Truck Unit Production 306.10 LCY/Hour Adjusted for job efficiency: 254.06 LCY/Hour

> Adjusted hourly truck team production: 508.13 LCY/Hour Adjusted single truck/loader team production: 438.73 LCY/Hour 438.73 LCY/Hour

Adjusted multiple truck/loader team production:

JOB TIME AND COST

2

Truck(s)

Fleet size: 1 Team(s) Total job time: 17.60 Hours

Unit cost: \$2.237 Total job cost: **\$17,269** /LCY

REVEGETATION WORK

Fedinec Pit	Permit	Action: SO-0)3		Permit/Job#	: <u>M1977057</u>
ROJECT IDENTIFIC	ATION					
Task #: 004 Date: 8/10/2023 User: ZTT		olorado offat		_		None M057-004
Agency or organiz	zation name: DRMS	<u> </u>				
<u>ERTILIZING</u>						
Iaterials		Units /				
Description		Acre	Unit	Cos	t / Unit	Cost /Acre
				\$		\$
				Tot	al Fertilizer Materials Cost/Acre	\$0.00
Description						Cost /Acre
						\$
		Total	Fertilizer A	pplicatio	n Cost/Acre	\$ \$0.00
<u> </u>		Total	Fertilizer A	pplicatio	n Cost/Acre	
TILLING Description		Total	Fertilizer A	pplicatio	n Cost/Acre	
		Total	Fertilizer A	pplicatio	n Cost/Acre	\$0.00
		Total			n Cost/Acre	\$0.00 Cost /Acre
		Total				\$0.00 Cost /Acre
Description		Total	To			\$0.00 Cost /Acre

Indian Ricegrass - Nespar

Sandberg Bluegrass - VNS

Western Wheatgrass - Arriba

Sagebrush, Mountain or Big

Crested Wheatgrass - Hy-Crest

Bitterbrush, Antelope

Sand Dropseed

Needle and Thread

CIRCES	Cost	Estimating	Software

\$13.14

\$78.00

\$0.98

\$9.86

\$3.36

\$52.00

\$45.62

\$7.90

1.48

4.00

0.10

2.48

0.40

8.00

1.09

0.40

4.79

1.23

11.94

11.39

8.49

20.20

2.88

21.12

Prairie Junegrass	0.16	8.50	\$4.16
Basin Wildrye - Trailhead	2.00	8.13	\$30.82
Totals Seed Mix	21.71	106.38	\$249.90

Application

Description		Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)		\$468.00
	Total Seed Application Cost/Acre	\$468.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Silt fence, Materials (MEANS 31 25 14.16 1000)	2,500.00	LINEAR FOOT	\$0.64	\$1,600.00
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$2,459.57

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$74.46
Weed spray, hand, non-aquatic area, nox. [DMG]		\$183.16
	Total Mulch Application Cost/Acre	\$257.62

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:
 10
 Cost /Acre:
 \$3,435.09

 Estimated Failure Rate:
 25%
 Cost /Acre*:
 \$3,435.09

*Selected Replanting Work Items: SEEDING, MULCHING

Initial Job Cost: \$34,350.90

Reseeding Job Cost: \$8,587.73

Total Job Cost: \$42,939

16.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mo	obilization, Demo	ob			
Site: Fedinec Pit	Permi	t Action: SO-03	Permit	/Job#: <u>M1977057</u>	
PROJECT IDENTIFICAT	<u>ION</u>				
Task #: 005	State: C	Colorado	Abbreviation	n: None	
Date: 8/10/2023 User: ZTT	County: N	loffat	Filenam	e: M057-005	
Agency or organizatio EQUIPMENT TRANSPOR		S			
EQUITIENT TRANSFOR	TIMO COST		01:01		
			Shift basis:	1 per day	
			Cost Data Source: _	CRG Data	
Truck Tractor Desc	cription: GENI		AY TRUCK TRACTOR, 6X		
	400 HP (2ND HALF, 2006)				
Truck Trailer Desc	cription: C		G GOOSENECK, DROP D	~	
		TR	AILER (25T, 50T, AND 100	OT)	
Cost Breakdown:					
Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons		
Ownership Cost/Hour:	\$20.26	\$36.04	\$47.05		
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85		
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52		
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53		

NON ROADABLE EQUIPMENT:

Total Unit Cost/Hour:

\$82.29

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/uni	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)		t		fleet		
Cat D8T - 8SU	53.08	\$255.49	\$175.95	1	\$431.44	\$175.95	\$250.00
CAT 950H high	20.13	\$49.32	\$82.29	1	\$131.61	\$82.29	\$250.00
lift							
Cat 730	25.19	\$108.06	\$82.29	2	\$380.70	\$164.58	\$250.00

\$158.17

\$175.95

Subtotals: \$943.75 \$422.82 \$750.00

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.	\$15.83	1	\$15.83	\$15.83

Subtotals:	\$15.83	\$15.83

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

CRAIG

7.00

miles

30.00

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.23	0.23
Return Time (Hours):	0.23	0.23
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.47	0.47

JOB TIME AND COST

Total job cost: 2.93 Hours

Total job cost: \$4,033