March 4, 2024

Craig Howell Nuvemco, LLC PO Box 297 Naturita, CO 81422



1313 Sherman Street, Room 215 Denver, CO 80203

# RE: Monogram Mines, Permit # M-1978-222-UG, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$73,013.00. This is an increase of \$18,513.00 over the \$54,500.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

*Dustin Czapla* Environmental Protection Specialist Division of Reclamation, Mining and Safety Phone: (303) 866-3567, ext. 8188



# COST SUMMARY WORK

Task description:2024-02		2024-02-08 Upda	ate				
Site: Monogra	m Mines	Per	rmit Action:	2024-02-08 Update	Permit/Jol	o#: M1978222UG	
PROJECT Task #: Date: User:	1DENTIFIC 000 2/8/2024 DMC	CATION State: County:	Colorado Montrose		Abbreviation: Filename:	None M222-000	

Agency or organization name: DRMS

# TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
	Description	Used	Size	Hours	Cost
01a	Seal 5 disturbed portals	MINESEAL	1	40.00	\$15,995
02a	Seal maximum 50 drill holes -300 ft depth	BOREHOLE	1	25.00	\$2,744
03a	Recontour portal staging areas	DOZER	1	15.08	\$6,760
04a	Reveg. 4.1 acre total drill disturbance	REVEGE	1	4.00	\$10,611
05a	Reveg. 1 acre portal areas	REVEGE	1	1.00	\$2,588
06a	Demo concrete ore bins	DEMOLISH	1	8.00	\$1,236
07a	Haul 6" ore pad material to pit for burial	LOADER	1	2.44	\$460
08a	Rip/grade staging-office-ore bin area	RIPPER	1	1.71	\$768
09a	Push 4" topsoil over staging area	DOZER	1	0.45	\$190
10a	Reveg. staging area	REVEGE	1	1.00	\$2,588
11a	Push overburden / waste rock over pit area	DOZER	1	8.21	\$3,502
12a	Push 4" topsoil over pit area	DOZER	1	1.32	\$561
13a	Reveg. pit area	REVEGE	1	2.00	\$5,176
14a	Mobilize reclamation crew/equipment	MOBILIZE	1	4.28	\$5,025
		114.49	\$58,204		

### **INDIRECT COSTS**

#### **OVERHEAD AND PROFIT:**

Liability insurance: Performance bond: Job superintendent: Profit:	2.02 1.05 57.24 10.00		Total = Total = Total = Total = TOTAL O & P =	\$1,176 \$611 \$3,725 \$5,820 \$11,332
	CONT	RACT AMOUNT	(direct + O & P) =	\$69,536
LEGAL - ENGINEERING - PR Financial warranty process Engineering work and/or o	ing (legal/related costs):	: \$0 0.00	Total = Total =	\$0 \$0
Reclamation managemer	t and/or administration:	5.00		\$3,477
	CONTINGENCY:	0.00	Total =	\$0
		TOTAL IN	DIRECT COST =	\$14,809

# SAFEGUARDING UNDERGROUND OPENINGS

,	Task description:	Seal 5 distu	irbed portals			
Site:	Monogram Mines		Permit Action:	2024-02-08 Update	Permit/.	Job#: <u>M1978222UG</u>
<u>PROJE</u>	CT IDENTIFICATION	<u>N</u>				
Task #:		State:	Colorado		Abbreviation:	None
Date: User:		County:	Montrose		Filename:	7822201a
	Agency or organizat	ion name:	DRMS			
<u>UNIT C</u>	<u>COSTS</u>					

<b>Opening Description</b>	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Pre-law "reopened" portals	8' x 8'	Adit closure - backfilling (per opening)	5.00	EA	\$3,199.01	\$15,995.05

Job Hours: 40.00

Total Cost: \$15,995.05

# BOREHOLE SEALING WORK

	Cask description:	Sear maxin	um 50 drill hole			
Site:	Monogram Mines		Permit Action:	2024-02-08 Update	Permit/.	Iob#: <u>M1978222UG</u>
OJEC	CT IDENTIFICATION	N				
Fask #:	02A	State:	Colorado		Abbreviation:	None
		<b>a</b> ,	M		Eilanamai	7822202a
Date:	2/8/2024	County:	Montrose		Filename:	/822202a

# **UNIT COSTS**

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
50 exploration drill holes-bentonite	Bentonite seal - 6 in. (labor, equip, materials)	6	5	250.00	LF	\$7.24	\$1,810.63
50 exploration drill holes-plug	Portland cement grout - 6 in. (labor, equip, materials)	6	3	150.00	LF	\$6.22	\$933.38

 Job Hours:
 25.00
 Total Cost:
 \$2,744.00

# BULLDOZER WORK

	Recontour por	al staging are	:as		
Monogram Mines	Pe	ermit Action:	2024-02-08 Update	Permit/Job#:	M1978222UG
PROJECT IDENTIF	<b>ICATION</b>				
Task #:         03A           Date:         2/8/2024           User:         DMC	State: County:			Abbreviation: Filename:	None 7822203a
Agency or orga	nization name:	ORMS			
HOURLY EQUIPMI	ENT COST				
	t D8T - 8SU				
Horsepower: 310			_		
<i>•</i> 1	mi-Universal				
	shank ripper				
	ber day				
Data Source: (Cl	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$14.11	NA		
Ripper op. Cost/Hour:		\$7.45	100		
Operator Cost/Hour:		\$41.30	NA		
Total Fleet Cost/Hour: MATERIAL QUANT	_\$448.16 <u>FITIES</u>				
MATERIAL QUANT Initial Volume: <u>6,95</u> Swell factor: <u>1.00</u>	<b>FITIES</b> 50 00				
MATERIAL QUANT Initial Volume: <u>6,95</u> Swell factor: <u>1.00</u>	<b><u>FITIES</u></b> 50				
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       5         Source of estimated swel       6	<b>FITIES</b> 50         50		ace /2 *5 = ft3 conv. yd3	i	
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu	<b>FITIES</b> 50         50		ace /2 *5 = ft3 conv. yd3	·	
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       6,95         Source of estimated volu       Source of estimated swel         HOURLY PRODUCC       100	<b>FITIES</b> 50         50		ace /2 *5 = ft3 conv. yd3	<u>.</u>	
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       600         Source of estimated volu       800         Source of estimated swel       900         HOURLY PRODUCT       100         Average push distance:       100	<b>FITIES</b> 50         50         50         50         50         50         10         50         11         factor:         50' x 10         Cat Har <b>TION</b> 50 feet	ndbook	ace /2 *5 = ft3 conv. yd3	<u>.</u>	
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       5         Source of estimated swel       6	<b>TITIES</b> 505050505011factor: $50$ <b>TION</b> action: $50$ feet1,400.0	ndbook			
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       6,95         Source of estimated volu       Source of estimated swel         HOURLY PRODUC'       Average push distance:         Unadjusted hourly produ       Materials consistency de	FITIES         50 $50$ $50$ $50$ $50$ $50$ $50$ LCY         ume: $50' \times 10'$ If factor:       Cat Har         TION         action: $50$ feet         1,400.0 L0         scription:       Partly	CY/hr		·	
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       500         Source of estimated swel       600         HOURLY PRODUCT       100         Average push distance:       100         Unadjusted hourly produ       100	<b>TITIES</b> 505050505011factor: $50$ <b>TION</b> action: $50$ feet1,400.0	CY/hr		·	
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swel       600         HOURLY PRODUCT       600         Average push distance:       100         Unadjusted hourly produ       100         Materials consistency de       100         Average push gradient:       100	SO           50           50           50           50           50           50           50           50           50           50           50           50           50           1,400.0           10           15 %	CY/hr			
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       6,95         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swel       6,95         MATERIAL QUANT       6,95         Source of estimated volu       500         Source of estimated swel       6,95         Materials consistency de       6,95         Average push distance:       000         Materials consistency de       6,95         Average push gradient:       6,95         Average site altitude:       6,95	<b>TITIES</b> 50505050505011factor: $50$ feetaction: $50$ feetaction: $1,400.0$ L0scription:Partly $15$ % $6,350$ feet	CY/hr			
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       6,95         Source of estimated volu       Source of estimated volu         Source of estimated swel       MOURLY PRODUCT         Average push distance:       Unadjusted hourly produ         Materials consistency de       Average push gradient:         Average site altitude:       Material weight:	<b>TITIES</b> 505050505011factor: $50$ feetaction: $50$ feetaction: $1,400.0$ LCscription:Partly $15$ % $6,350$ feet $2,550$ lbs/LCYSandstone	CY/hr			
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       500         Source of estimated volu       500         Source of estimated volu       500         Source of estimated swel       100         HOURLY PRODUCT       400         Average push distance:       100         Unadjusted hourly produ       100         Materials consistency de       100         Average push gradient:       100         Average site altitude:       100         Material weight:       100         Weight description:       100         Job Condition Correction       100	<b>TITIES</b> 50         50         50         50         50         50         50         50         50         50         50         50         11         factor:         50         feet         1400.0         15         6,350         6,350         15         6,350         50         15         6,350         50         15         6,350         15         6,350         10         50         15         6,350         10         10         10         10         10         10         11         12         13         14         15         15         10         10         10         10         10         10         10 <td>CY/hr consolidated</td> <td>stockpile 1.1</td> <td></td> <td></td>	CY/hr consolidated	stockpile 1.1		
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       Source of estimated volu         Source of estimated swel       MOURLY PRODUC'         Average push distance:       Unadjusted hourly produ         Materials consistency de       Average push gradient:         Average site altitude:       Material weight:         Weight description:       Job Condition Correction         Operator       Material consist	<b>TITIES</b> 50         50         50         50         50         50         50         50         50         50         50         50         11         factor:         50         feet         1,400.0         scription:         Partly         15         6,350         6,350         6,350         50         15         2,550         lbs/LCY         Sandstone         n         Factor         Skill:	CY/hr consolidated 0.750 1.100	stockpile 1.1		
MATERIAL QUANT         Initial Volume:       6,95         Swell factor:       1.00         Loose volume:       6,95         Source of estimated volu       Source of estimated volu         Source of estimated swel       MOURLY PRODUCT         Average push distance:       Unadjusted hourly produ         Materials consistency de       Average push gradient:         Average site altitude:       Material weight:         Weight description:       Job Condition Correction         Operator       Material consist         Dozing me       Material consist	<b>EITTIES</b> 50         50         50         50         50         50         50         50         50         50         50         50         11         factor:         50         feet         1,400.0         10         scription:         Partly         15         6,350         6,350         6,350         50         15         2,550         lbs/LCY         Sandstone         n         Factor         Skill:         tency:         ethod:	CY/hr consolidated	stockpile 1.1 <u>Source</u> (AVG.)		

Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pile	e: 0.800	(FND-RF)
Push gradien	t: 0.666	(CAT HB)
Altitude	e: 1.000	(CAT HB)
Material Weigh	t: 0.902	(CAT HB)
Blade type	e: 1.000	(PAT)
Net correction	n:0.3291	
Adjusted unit production:	460.74 LCY/hr	
Adjusted fleet production:	460.74 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.973/LCY

Total job time:	15.08 Hours
Total job cost:	\$6,760

# **REVEGETATION WORK**

Task description: <b>Reveg.</b>		Reveg. 4.1 acre t	otal drill dis	turbance			
Site: Monogram Mines		Permit Action:		2024-02-08 Update	Permit/Job#: M1978222UG		
	E <u>CT IDENTIFIC</u> k #:    04A	CATION State:	Colorado		Abbreviation:	None	
D	ate: $\frac{2/8}{2024}$ ser: DMC	County:	Montrose		Filename:	7822204a	
	Agency or organi	zation name:	RMS				

# **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
Subsoil scarification, (MEANS 32 91 13.23 3100)	\$233.48
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$572.28

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	1.20	3.88	\$13.35
Sand Dropseed	0.04	4.78	\$0.39
Bottlebrush Squirreltail	3.20	14.10	\$51.92
Sandberg Bluegrass - VNS	0.60	12.74	\$5.04
Galleta	0.60	2.19	\$13.41
Sweetvetch, Utah or Northern	0.20	0.09	\$15.00
Needle and Thread	0.80	2.11	\$33.48
Western Wheatgrass - Native	5.60	14.14	\$33.60
Daisy or Sunflower, Maximillians	0.40	2.27	\$22.40

Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.06	0.08	\$0.75
Globemallow, Scarlet (or copper)	0.18	2.04	\$24.39
Winter Fat	0.10	0.25	\$2.05
Penstemon, Rocky Mountain	0.12	1.88	\$3.54
Yarrow, White	0.06	3.82	\$2.40
Totals Seed Mix	13.26	69.66	\$223.70

### **Application**

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

#### Application

Description		Cost /Acre
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
	<b>Total Mulch Application Cost/Acre</b>	\$147.67

## **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre \$					\$0.00

	No. of Acres: ed Failure Rate: ng Work Items:	 Cost /Acre: Cost /Acre*: G,MULCHING	
Initial Job Cost:	\$8,488.80		
Reseeding Job Cost:	\$2,122.20		
Total Job Cost:	\$10,611		
Job Hours:	4.00		

# **REVEGETATION WORK**

Т	ask descrip	otion:	Reveg. 1 acre po	ortal areas			
Site: Monogram Mines		Pe	Permit Action: 2024-02-		Permit/Job#: M1978222UG		
<u>PR</u>	<b>ROJECT</b> Task #:	IDENTIFIC 05A	CATION State:	Colorado		Abbreviation:	None
	Date: User:	2/8/2024 DMC	County:	Montrose		Filename:	7822205a
	Age	ency or organiz	zation name: DF	RMS			

# **FERTILIZING**

#### Materials

Units / Acre	Unit	Cost / Unit	Cost /Acre
		\$	\$
		Total Fertilizer Materials	\$0.00
		TT •/	Acre     Unit     Cost / Unit       \$     \$       Image: Cost of the second

# Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

# **TILLING**

Description	Cost /Acre
Subsoil scarification, (MEANS 32 91 13.23 3100)	\$233.48
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$572.28

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	1.20	3.88	\$13.35
Sand Dropseed	0.04	4.78	\$0.39
Bottlebrush Squirreltail	3.20	14.10	\$51.92
Sandberg Bluegrass - VNS	0.60	12.74	\$5.04
Galleta	0.60	2.19	\$13.41
Sweetvetch, Utah or Northern	0.20	0.09	\$15.00
Needle and Thread	0.80	2.11	\$33.48
Western Wheatgrass - Native	5.60	14.14	\$33.60
Daisy or Sunflower, Maximillians	0.40	2.27	\$22.40

Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.06	0.08	\$0.75
Globemallow, Scarlet (or copper)	0.18	2.04	\$24.39
Winter Fat	0.10	0.25	\$2.05
Penstemon, Rocky Mountain	0.12	1.88	\$3.54
Yarrow, White	0.06	3.82	\$2.40
Totals Seed Mix	13.26	69.66	\$223.70

### **Application**

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	<b>Total Seed Application Cost/Acre</b>	\$267.22

### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

#### Application

Description		Cost /Acre
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
	<b>Total Mulch Application Cost/Acre</b>	\$147.67

## **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: ed Failure Rate: ng Work Items:	Cost /Acre: Cost /Acre*: G,MULCHING	
Initial Job Cost: Reseeding Job Cost: Total Job Cost:	\$517.61		
Job Hours:			

# **DEMOLITION WORK**

Task descripti	on: Dem	o concrete ore bins				
Site: Monogram	Mines	Permit Action: 2024-	02-08 Update	Pe	rmit/Job#:	M1978222UG
PROJECT IDENTI	<b>FICATION</b>					
Task #:       06A         Date:       2/8/2024         User:       DMC         Agency	c v or organization na	State: <u>Colorado</u> ounty: <u>Montrose</u> me: <u>DRMS</u>		Abbreviat: Filena		ne 2206a
<u>UNIT COSTS</u>				<b>Location</b>	adjustmer	nt: 92.10 %
Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Concrete ore bins	20' x 40' x 6'	Bldg. (SC) demo./on-site disposal in existing pit or cut - Max. 10,000 ft. haul	4,800.00	CF	\$0.28	\$1,341.60

				Total Cost	
		Subtotal		(adjusted for	
Job Hours:	8.00	(unadjusted):	\$1,341.60	location):	\$1,235.61

## WHEEL LOADER - LOAD AND CARRY WORK

Task description:	Haul 6"	ore pad materi	al to pit for bui	rial		
: Monogram Mines	<u>'</u>	Permit Act	ion: <u>2024-02-</u>	08 Update	Permit/Job#:	M1978222UG
PROJECT IDENT	IFICATION	<u>[</u>				
Task #: 07A		State: Colo	rado		Abbreviation:	None
Date: 2/8/202	.4	County: Mon	trose		Filename:	7822207a
User: DMC						
Agency or c	organization nar	ne: DRMS				
HOURLY EQUIP	MENT COS	<u>Γ</u>				
Basic Machine	e: CAT 450E	]		Horsepo	ower:	101
Attachment 1				Shift E		ber day
				Data So	ource: (	CRG)
Cost Breakdown:						
<u>Cost Dicardo will</u>			Utilizatio	on %		
Ownership C	ost/Hour:	\$92.02	NA			
Operating Co		\$55.42	100			
Operator C		\$40.71	NA			
Total Unit Co	ost/Hour:	\$188.15				
Total Fleet C	ost/Hour:	\$188.15				
		+				
MATERIAL QUA Initial volume: Loose volume:	65 <b>87</b>	CC		ell factor: <u>1.</u>	335	
Sour	rce of estimated	l volume: .08	acre ore pad loa	d zone x 6" lift		
Source of	of estimated swe	ell factor: <u>Cat</u>	Handbook			<u> </u>
HOURLY PRODU	JCTION					
Loader Cycle Time:	Unadjust	ted Basic Cycle	Гime (load, dum	p, maneuver):	0.475	minutes
Cycle Time F	actors				Factor (min.)	Source
		rial 3/4" to 6" dia	ameter 0.00		0.000	(Cat HB)
		ljustment - factor			0.000	(Cat HB)
Truck Owne		ljustment - factor	11	0.00	0.000	(Cat HB)
		ant operation -0.	04		-0.040	(Cat HB)
Dump T	arget: Nomi	nal target 0.00			0.000	(Cat HB)
			et Cycle Time A		-0.040	minutes
		А	djusted Basic C	ycle Time:	0.435	minutes
Rolling Resistance –	Road Conditior	<u>15</u>				
			nance no water	1" tire penatro	tion 4.0	
Ret		lirt, little mainten				
	-		nance, no water,			
Haul and Return Tim	<u>e</u>					
	Length	Grade Res.	Rolling	Total Res.	Travel Time	Sauraa
	(feet)	(%)	Res. (%)	(%)	(minutes)	Source
Haul Route:	1000	4.00	4.00	8.00	0.9510	(Cat HB)

Return Route:

1000

-4.00

4.00

0.00

(Cat HB)

0.3516

Total Travel Time:	1.3026	minutes
Total Cycle Time:	1.7376	minutes

Load	Bucke	t Capacity	

Rated Capacity:	1.50	LCY (heaped)	
Bucket Fill Factor:	0.825	Blasted rock - avg. blasted (75 - 90%) 0.825	
Adjusted Capacity:	1.24	LCY	

<u>Job Condition Correction Factors</u> Site Altitude: <u>6350</u> feet

		Source
Altitude Adj:	1.00	(CAT HB)
Job Efficiency:	0.83	(1 shift/day)
Net Correction:	0.83	multiplier

Unadjusted Hourly Unit Production:	42.73	LCY/Hour
Adjusted Hourly Unit Production:	35.47	LCY/Hour
Adjusted Hourly Fleet Production:	35.47	LCY/Hour

Fleet size:	1	Loader(s)	Total job time:	2.45	Hours
Unit cost:	\$5.305	/LCY	Total job cost:	\$460	

# BULLDOZER RIPPING WORK

	Task description	: <u>R</u> i	p/grade staging-office-ore	bin area				
Site	: Monogram M	lines	Permit Action:	2024-02-08 Upd	late Peri	nit/Job#:	M197822	2UG
	PROJECT ID	ENTIFICA	ΓΙΟΝ					
	Task #: 08 Date: 2/8		State: Colorado County: Montrose			viation: ename:	None 7822208a	
	Agency	v or organizati	on name: DRMS					
	HOURLY EQ	UIPMENT	COST					
			Cat D8T - 8SU 3-Shank Ripper		Horsepower:	1 p	310 er day CRG)	
	Cost Breakdown	:				(=		
		Operating er Ownership per Operating Operator		\$241.38 \$143.92 \$14.11 \$7.45 \$41.30 \$448.16	Utilization % NA 100 NA 100 NA			
			Cost/Hour: \$448					
	MATERIAL	QUANTITI		ected estimating n	nethod: <u>Area</u>			
Seismic:	NA		Bank Volume:	NA	BCY		NA	
Area:	1.00	acres	Rip Depth (ft):	2.00	Volume: <u>3,2</u>	227		BCY or CO
	HOURLY PR Seismic:	<u>ODUCTION</u>	N Seismic Velocity:	NA	feet/secon	ıd		
	Area:		•					
		Aver Avera Av Avera	rage Ripping Depth: rage Ripping Width: age Ripping Length: verage Dozer Speed: ge Maneuver Time: uction per unit area:	2.56 7.08 100.00 88.00 0.25 0.703	feet/pass feet/pass feet/pass feet/minut minutes/p acres/hour	ass		
	Job Condition C		·	0.705		L		
			rly Unit Production:	0.703	Acres/hr			
			Site Altitude: Altitude Adj: Job Efficiency: Net Correction:	6,350 1.00 0.83 0.83	feet (CAT HB) (1 shift/da multiplier	iy)		
			ed Hourly Unit Production: ed Hourly Fleet Production:	0.58 0.58 0.58	Acres/hr Acres/hr			
	JOB TIME A	ND COST						
	Fleet size:	1	Grader(s)	Total job time:			Hou	rs
	Unit cost:	\$767.601	Per acre	Total job cost:	\$7	68		

# BULLDOZER WORK

Task description:	Pı	ush 4" topsoil a	ver staging	area		
: Monogram M	ines	Per	mit Action:	2024-02-08 Update	Permit/Job#:	M1978222UG
PROJECT ID	ENTIFICA'	<u>FION</u>				
Task #: 094	A	State:	Colorado		Abbreviation:	None
	/2024	County:	Montrose		Filename:	7822209a
User: DN		County.	wondose		i nename.	7022207u
	or organizati	– on name' DF	RMS			
HOURLY EQ	-					
Basic Machine		- 8SU				
Horsepower		• 1				
Blade Type Attachmen		niversal				
Shift Basis						
Data Source		y				
Cost Breakdown:			1	TT:11 .1 0/		
	/11		¢041.00	Utilization %		
Ownership Cost			\$241.38 \$143.92	<u>NA</u> 100		
Operating Cost Ripper own. Cost			\$143.92	NA		
Ripper op. Cost			\$0.00	<u>0</u>		
Operator Cost			\$41.30			
Operator Cos			\$41.50	NA		
<u>MATERIAL Ç</u>	UANTITII	ES				
Initial Volume:						
Swell factor:						
Loose volume:	537 LCY					
Source of estimat	ed volume:	1 ac. 4" d	epth			
Source of estimat	ed swell facto	or: Cat Hand	book			
HOURLY PRO	DUCTION	J				
Average push dis		50 feet	x7/1			
Unadjusted hourl	y production:	1,400.0 LC	Y/hr			
Materials consist	ency descript	ion: Loose	stockpile 1.2			
Average push gra						
Average site altit	1 de: 6,3	50 feet				
Material weight:	1,6	600 lbs/LCY				
Weight description	n: <u>To</u>	p Soil				
Job Condition Co	rrection Fact	<u>or</u>		Source		
0	perator Skill:	0.	750	(AVG.)		
Material						
	consistency:		200	(CAT HB)		
Do	consistency: zing method: Visibility:	1.	200 000 000	(CAT HB) (GEN.) (AVG.)		

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.8593	
Adjusted unit production: 1,	,203.02 LCY/hr	
Adjusted fleet production: 12	203.02 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.355/LCY

Total job time:	<b>0.45</b> Hours
Total job cost:	\$190

# **REVEGETATION WORK**

ram Mines	Per	rmit Action:	2024-02-08 Update	Permit/Iol		
			2021 02 00 0 paule	Permit/Job#: M1978222UG		
T IDENTIFIC : 10A	ATION State:	Colorado		Abbreviation:	None	
: 2/8/2024	County:	Montrose		Filename:	7822210a	
	: 10A 2/8/2024 DMC	: <u>10A</u> State: : <u>2/8/2024</u> County:	10AState:Colorado2/8/2024County:MontroseDMC	10AState:Colorado2/8/2024County:MontroseDMC	10AState:ColoradoAbbreviation:2/8/2024County:MontroseFilename:DMC	

# **FERTILIZING**

#### Materials

Units / Acre	Unit	Cost / Unit	Cost /Acre
		\$	\$
		Total Fertilizer Materials	\$0.00
		TT •/	Acre     Unit     Cost / Unit       \$     \$       Image: Cost of the second

# Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

# **TILLING**

Description	Cost /Acre
Subsoil scarification, (MEANS 32 91 13.23 3100)	\$233.48
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$572.28

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	1.20	3.88	\$13.35
Sand Dropseed	0.04	4.78	\$0.39
Bottlebrush Squirreltail	3.20	14.10	\$51.92
Sandberg Bluegrass - VNS	0.60	12.74	\$5.04
Galleta	0.60	2.19	\$13.41
Sweetvetch, Utah or Northern	0.20	0.09	\$15.00
Needle and Thread	0.80	2.11	\$33.48
Western Wheatgrass - Native	5.60	14.14	\$33.60
Daisy or Sunflower, Maximillians	0.40	2.27	\$22.40

Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.06	0.08	\$0.75
Globemallow, Scarlet (or copper)	0.18	2.04	\$24.39
Winter Fat	0.10	0.25	\$2.05
Penstemon, Rocky Mountain	0.12	1.88	\$3.54
Yarrow, White	0.06	3.82	\$2.40
Totals Seed Mix	13.26	69.66	\$223.70

### **Application**

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

#### Application

Description		Cost /Acre
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
	<b>Total Mulch Application Cost/Acre</b>	\$147.67

## **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Totals	Nursery Stoc	ck Cost / Acre	\$0.00

No. of Acres: Estimated Failure Rate: *Selected Replanting Work Items:		25%	C	Cost /Acre: ost /Ac <u>re*:</u>	
Initial Job Cost:	/				
Reseeding Job Cost:	\$517.61				
Total Job Cost:	\$2,588				
Job Hours:	1.00				

# BULLDOZER WORK

Task description:	Pus	sh overburden / waste r	ock over pit area		
Monogram Mine	<b>S</b>	Permit Action	n:2024-02-08 Update	Permit/Job#:	M1978222UG
PROJECT IDEN	TIFICAT	ION			
Task #: 11A		State: Colorad	0	Abbreviation:	None
Date: $2/8/20$	24	County: Montros		Filename:	7822211a
User: DMC		<u> </u>		-	
Agency or	organizatio	n name: DRMS			
HOURLY EQUI	PMENT C	COST			
Basic Machine:	Cat D8T -	- 8SU			
Horsepower:	310				
Blade Type:	Semi-Uni	versal			
Attachment:	NA				
Shift Basis:	1 per day				
Data Source:	(CRG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Ho	our:	\$241.38			
Operating Cost/Ho		\$143.92			
Ripper own. Cost/Ho		\$0.00			
D' 0 /11	our:	\$0.00			
Ripper op. Cost/Ho		¢ 41 00			
Operator Cost/Hou Total unit Cost/Hour Total Fleet Cost/Hou	:: \$420 ir: <b>\$420</b>	6.60	) NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QU</u> Initial Volume:	:: \$420 ur: \$420 ANTITIE: 3,250	5.60 5 <b>.60</b>	<u> </u>		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor:	::\$420 ur: <b>\$420</b> ANTITIE	5.60 5.60 <u>S</u>	<u> </u>		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor: Loose volume: Source of estimated	:: \$420 ur: \$420 ANTITIE: 3,250 1.000 3,250 LCY volume:	6.60 6.60 <u>S</u> 	<u> </u>		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QU</u> Initial Volume: Swell factor: Loose volume:	:: \$420 ur: \$420 ANTITIE: 3,250 1.000 3,250 LCY volume:	5.60 5.60 <u>S</u>  2 acres 1' depth	) NA		
Operator Cost/Hour Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor: Loose volume: Source of estimated	::     \$420       ur:     \$420       ANTITIE:     3,250       1.000     3,250 LCY       volume:     swell factor	6.60 6.60 <u>S</u> 	) NA		
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor: Loose volume: Source of estimated is Source of estimated is <u>HOURLY PROD</u> Average push distance	:: \$420 ir: \$420 ANTITIE: 3,250 1.000 3,250 LCY volume: swell factor UCTION ce:	6.60 6.60 5.70 5.70	) NA		
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MOURLY PROD Average push distand Unadjusted hourly produced	::       \$420         ur:       \$420         ANTITIE:       3,250         3,250       1.000         3,250       LCY         volume:       swell factor         UCTION       ce:         roduction:	6.60 6.60 5.70 5.70			
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MURLY PROD Average push distand Unadjusted hourly push	::     \$420       ur:     \$420       ANTITIES       3,250       1.000       3,250 LCY       volume:       swell factor       UCTION       ce:       roduction:       y descriptic	6.60 6.60 5.70 5.70			
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QUA</u> Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MOURLY PROD Average push distand Unadjusted hourly produced	::     \$420       ur:     \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$420       \$3,250       \$3,250       \$200       \$3,250       \$200       \$200       \$3,250       \$200 <td>6.60 6.60 5.70 5.70</td> <td></td> <td></td> <td></td>	6.60 6.60 5.70 5.70			
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou <u>MATERIAL QU/</u> Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MURLY PROD Average push distand Unadjusted hourly pr Materials consistency	$\frac{\$426}{\$426}$ ar: $\frac{\$426}{\$426}$ and $\frac{\ast426}{\$426}$ and $\frac{\ast426}{\$46}$ and $\frac{\ast426}{\$46}$ and $\frac{\ast426}{\$46}$ and $\frac{\ast426}{\$46}$ and $\frac{\ast426}{\$46}$ and $\frac{\ast426}{\$46}$ and $\frac{\ast46}{\$46}$	6.60 6.60 5.70 5.70			
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated MOURLY PROD Average push distand Unadjusted hourly push Materials consistence Average push gradie Average site altitude	:: $$420$ ur: $$420$ <b>ANTITIE</b> :         3,250         1.000 <b>3,250</b> LCY         volume:         swell factor <b>UCTION</b> ce:         roduction:         y description         nt: $-5 \%$ $-3,300$	6.60 6.60 5.70 5.70	.2		
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hour MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Muterials consistency Average push distance Average push gradie Average site altitude Material weight:	$\frac{\$426}{\$426}$ ar: $\frac{\$426}{\$426}$ and $\frac{\ast426}{\$426}$ and $\frac{\ast426}{$1000}$ and $\ast426$	6.60 6.60 5.75% Roberts 5.75% Roberts 5.7	.2		
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Muterials consistence Average push distance Unadjusted hourly pr Materials consistence Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper	$\frac{\$426}{\$426}$ ar: $\frac{\$426}{\$426}$ and $\frac{\ast426}{\$426}$ and $\frac{\ast426}{$426}$ and $\frac{\ast426}{$426}$ and $\frac{\ast426}{$466}$ and $\ast4$	6.60 6.60 5.70 5.70			
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Mourly PROD Average push distand Unadjusted hourly pr Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Corree Oper Material co	$\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{\$420}{\$420}$ $\frac{$1000}{$3,250}$ $\frac{$1000}{$3,250}$ $\frac{$1000}{$3,250}$ $\frac{$1000}{$1000}$	$\frac{5.60}{5.60}$ $\frac{5.60}{5.60}$ $\frac{5}{5}$ $\frac{2 \text{ acres 1' depth}}{Cat \text{ Handbook}}$ $\frac{100 \text{ feet}}{852.6 \text{ LCY/hr}}$ $\frac{100 \text{ feet}}{100 \text{ feet}}$		)	
Operator Cost/Ho Total unit Cost/Hour Total Fleet Cost/Hou MATERIAL QUA Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated Source of estimated Muterials consistency Average push distancy Materials consistency Average push gradie Average site altitude Material weight: Weight description: Job Condition Correct Oper Material co Dozin	$\frac{\$426}{\$426}$ ar: $\frac{\$426}{\$426}$ and $\frac{\ast426}{\$426}$ and $\frac{\ast426}{$426}$ and $\frac{\ast426}{$426}$ and $\frac{\ast426}{$466}$ and $\ast4$	6.60 6.60 5.70 5.70		)	

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4644	
Adjusted unit production: 39	5.95 LCY/hr	
Adjusted fleet production: 39	<b>5.95</b> LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$1.077/LCY

Total job time:	8.21 Hours
Total job cost:	\$3,502

Page 1 of 2

# BULLDOZER WORK

	Push 4" topsoil over pit area			
Monogram Mines	Permit Action:	2024-02-08 Update	Permit/Job#:	M1978222UG
PROJECT IDENTIFIC	ATION			
Task #: 12A	State: Colorado		Abbreviation:	None
Date: 2/8/2024	County: Montrose		Filename:	7822212a
User: DMC			-	
Agency or organiza	ation name: DRMS			
HOURLY EQUIPMEN	T COST			
	8T - 8SU			
Horsepower: 310	· · · · ·			
	Universal			
Attachment: NA	1			
Shift Basis: 1 per c	•			
Data Source: (CRG)	)			
Cost Breakdown:				
	¢2.41.20	Utilization %		
Ownership Cost/Hour:	\$241.38	NA		
Operating Cost/Hour:	\$143.92	100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$41.30	NA		
MATERIAL QUANTIT	<u>'IES</u>			
MATERIAL QUANTIT Initial Volume: 1,075 Swell factor: 1.000	<u> </u>			
Initial Volume: 1,075				
Initial Volume:         1,075           Swell factor:         1.000           Loose volume:         1,075 L	.CY			
Initial Volume:         1,075           Swell factor:         1.000           Loose volume:         1,075 L	CCY :2 acres 4" depth			
Initial Volume: 1,075 Swell factor: 1.000 Loose volume: 1,075 L Source of estimated volume:	CY : 2 acres 4" depth cetor: Cat Handbook			
Initial Volume: 1,075 Swell factor: 1.000 Loose volume: 1,075 L Source of estimated volume: Source of estimated swell fa	CY : 2 acres 4" depth cetor: Cat Handbook			
Initial Volume: 1,075 Swell factor: 1.000 Loose volume: 1,075 L Source of estimated volume: Source of estimated swell fa	.CY : 2 acres 4" depth ictor: Cat Handbook <u>ON</u> 100 feet			
Initial Volume: 1,075 Swell factor: 1.000 Loose volume: 1,075 L Source of estimated volume: Source of estimated swell fa HOURLY PRODUCTIC Average push distance:	.CY         :       2 acres 4" depth         actor:       Cat Handbook <b>DN</b> 100 feet         on:       852.6 LCY/hr			
Initial Volume: 1,075 Swell factor: 1.000 Loose volume: 1,075 L Source of estimated volume: Source of estimated swell fa HOURLY PRODUCTIO Average push distance: Unadjusted hourly productio Materials consistency description	.CY         :       2 acres 4" depth         base 5 %			
Initial Volume:       1,075         Swell factor:       1.000         Loose volume:       1,075 L         Source of estimated volume:       1,075 L         Source of estimated volume:       Source of estimated volume:         Source of estimated swell fa         HOURLY PRODUCTIO         Average push distance:         Unadjusted hourly production         Materials consistency description         Average push gradient:       -         Average site altitude:       -	.CY         :       2 acres 4" depth         actor:       Cat Handbook         DN         :       100 feet         :       852.6 LCY/hr         :       Loose stockpile 1.2         :       5 %         :       5,350 feet			
Initial Volume:       1,075         Swell factor:       1.000         Loose volume:       1,075 L         Source of estimated volume:       1,075 L         Source of estimated volume:       Source of estimated volume:         Source of estimated swell fa         HOURLY PRODUCTIO         Average push distance:         Unadjusted hourly production         Materials consistency description         Average site altitude:       6         Material weight:       1	LCY         2 acres 4" depth           actor:         2 acres 4" depth           actor:         Cat Handbook           DN         100 feet           pon:         852.6 LCY/hr           aption:         Loose stockpile 1.2           5 %         6,350 feet           1,600 lbs/LCY         1,600 lbs/LCY			
Initial Volume:       1,075         Swell factor:       1.000         Loose volume:       1,075 L         Source of estimated volume:       1,075 L         Source of estimated volume:       Source of estimated volume:         Source of estimated swell fa         HOURLY PRODUCTIO         Average push distance:         Unadjusted hourly production         Materials consistency description:         Average site altitude:         Material weight:         Methods:         Material weight:         Material weight:         Material weight:         Material weight:	.CY         :       2 acres 4" depth         actor:       Cat Handbook         DN         :       100 feet         :       852.6 LCY/hr         :       200 feet         :       25 %         :       6,350 feet         :       1,600 lbs/LCY         :       Top Soil			
Initial Volume:       1,075         Swell factor:       1.000         Loose volume:       1,075 L         Source of estimated volume:       1,075 L         Source of estimated volume:       Source of estimated volume:         Source of estimated swell fa         HOURLY PRODUCTIC         Average push distance:         Unadjusted hourly production         Materials consistency description:         Average site altitude:         Material weight:         Material weight:         Material weight:         Material conscipation:         Material meight:         Material meight:	.CY         :       2 acres 4" depth         actor:       Cat Handbook         DN         :       100 feet         :       852.6 LCY/hr         :       25.6 LCY/hr         :       100 feet         :       25.6 LCY/hr         :       1,600 lbs/LCY         :       1,600 lbs/LCY         :       1,600 lbs/LCY	Source		
Initial Volume:       1,075         Swell factor:       1.000         Loose volume:       1,075 L         Source of estimated volume:       1,075 L         Source of estimated volume:       Source of estimated volume:         Source of estimated swell fa         HOURLY PRODUCTIC         Average push distance:         Unadjusted hourly production         Materials consistency description:         Average site altitude:         Material weight:         Material weight:         Material weight:         Material Sconsistency         Unadjusted hourly production         Material weight:         Material Weight         Material Weight         Material Sconsistency         Material Weight         Material Weight         Material Weight         Material Sconsistency         Material Weight         Material     <	LCY         2 acres 4" depth           actor:         2 acres 4" depth           actor:         Cat Handbook           DN         100 feet           pon:         852.6 LCY/hr           aption:         Loose stockpile 1.2           55 %         6,350 feet           1,600 lbs/LCY         1           Top Soil         0.750	Source (AVG.)		
Initial Volume:       1,075         Swell factor:       1.000         Loose volume:       1,075 L         Source of estimated volume:       1,075 L         Source of estimated volume:       Source of estimated volume:         Source of estimated swell fa         HOURLY PRODUCTIC         Average push distance:         Unadjusted hourly production         Materials consistency description:         Average site altitude:         Material weight:         Material weight:         Job Condition Correction Fa	LCY         2 acres 4" depth           ictor:         2 acres 4" depth           ictor:         Cat Handbook           DN	Source		

Job efficiency	y: 0.830	(1 SHIFT/DAY)
Spoil pile	e: 0.800	(FND-RF)
Push gradien	t: 1.115	(CAT HB)
Altitud	e: 1.000	(CAT HB)
Material Weigh	t: 1.438	(CAT HB)
Blade type	e: 1.000	(PAT)
Net correction	n: <u>0.9582</u>	
Adjusted unit production:	816.96 LCY/hr	
Adjusted fleet production:	816.96 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.522/LCY

Total job time:	<b>1.32</b> Hours
Total job cost:	\$561

# **REVEGETATION WORK**

1	Task descrip	otion:	Reveg. pit area				
Site:	Monogra	m Mines	Pe	rmit Action:	2024-02-08 Update	Permit/Jol	b#: M1978222UG
<u>P</u> ]	ROJECT	IDENTIFIC	CATION State:	Colorado		Abbreviation:	None
	Date: User:	2/8/2024 DMC	County:	Montrose		Filename:	7822213a
	Age	ency or organiz	zation name:	RMS			

# **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
Subsoil scarification, (MEANS 32 91 13.23 3100)	\$233.48
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$572.28

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	1.20	3.88	\$13.35
Sand Dropseed	0.04	4.78	\$0.39
Bottlebrush Squirreltail	3.20	14.10	\$51.92
Sandberg Bluegrass - VNS	0.60	12.74	\$5.04
Galleta	0.60	2.19	\$13.41
Sweetvetch, Utah or Northern	0.20	0.09	\$15.00
Needle and Thread	0.80	2.11	\$33.48
Western Wheatgrass - Native	5.60	14.14	\$33.60
Daisy or Sunflower, Maximillians	0.40	2.27	\$22.40

Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.06	0.08	\$0.75
Globemallow, Scarlet (or copper)	0.18	2.04	\$24.39
Winter Fat	0.10	0.25	\$2.05
Penstemon, Rocky Mountain	0.12	1.88	\$3.54
Yarrow, White	0.06	3.82	\$2.40
Totals Seed Mix	13.26	69.66	\$223.70

### **Application**

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

#### Application

Description		Cost /Acre
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
	<b>Total Mulch Application Cost/Acre</b>	\$147.67

## **NURSERY STOCK PLANTING**

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre			\$0.00		

Estimate *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	25%	(	Cost /Acre: Cost /Acre*:	 
Initial Job Cost:					
Reseeding Job Cost:					
Total Job Cost:	\$5,176				
Job Hours:	2.00				

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	: <u>Mo</u>	bilize reclamatio	n crew/equipm	ent				
: <u>Monogram N</u>	lines	Permit	Action: _2024	-02-08 Upd	late	Permit/Job	#: <u>M</u>	1978222UG
PROJECT IDE	INTIFICATI	<u>ON</u>						
Task #: 14	А	State: Co	olorado		Abbro	eviation:	None	
	3/2024		ontrose			ilename:	78222	14a
	MC					-		
Agency	or organization	n name: DRMS						
EQUIPMENT '	TRANSPOR	<u>T RIG COST</u>						
					Shift ba	sis: 1	per day	у
				(	Cost Data Sou	rce: C	RG Dat	ta
T		CENE			ICK TDACT		NEGEL	DOWEDED
Iruc	k Tractor Desc	cription: GENE	RIC ON-HIGH				NESEL	POWERED,
T		· .· .			(2ND HALF,			
Iruc	ck Trailer Desc	cription: G	ENERIC FOLI				LEQUI	PMENT
				IKAILEK	(25T, 50T, A)	ND 1001)		
Cost Breakdown:								
Available Rig (	anacities	0-25 Tons	26-50 Tons	51+	- Tons			
	p Cost/Hour:	\$20.26	\$36.04		17.05			
	g Cost/Hour:	\$39.51	\$76.08		32.85			
	or Cost/Hour:	\$22.52	\$22.52		22.52			
	er Cost/Hour:	\$0.00	\$23.53		23.53			
	it Cost/Hour:	\$82.29	\$158.17		75.95			
Total Oli		ψ0 <b>2.</b> 29	φ150.17	ψı	15.55			
NON ROADAE	BLE EQUIPN	MENT:						
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return 7		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	\$255.49	\$175.95	1	\$431.44	\$175.95		\$250.00
CAT 450E	9.80	\$92.02	\$82.29	1	\$174.31	\$82.29		\$250.00
Drill/Broadcast	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29		\$250.00
Seeder with								
Tractor								
Power Mulcher	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29		\$250.00
(Bowie LD-90)								

Subtotals: \$803.00 \$422.82 \$1,000.00

### **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 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:	NUCLA/NATURITA 20.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost *	\$5,006.94	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$18.09	

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.57 0.57 0.50 0.50 2.14	Roadable Equipment 0.57 0.57 NA NA
Subtotals:	2.14	1.14

### JOB TIME AND COST

Total job time: **4.29** Hours

Total job cost: \$5,025