

March 4, 2024

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



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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,

A handwritten signature in blue ink, appearing to read "Dustin Czapla", with a long horizontal flourish extending to the right.

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



COST SUMMARY WORK

Task description: 2024-02-08 Update

Site: Monogram Mines

Permit Action: 2024-02-08 Update

Permit/Job#: M1978222UG

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 2/8/2024

County: Montrose

Filename: M222-000

User: DMC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task 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
<u>SUBTOTALS:</u>				114.49	\$58,204

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 57.24
Profit: 10.00

Total = \$1,176

Total = \$611

Total = \$3,725

Total = \$5,820

TOTAL O & P = \$11,332

CONTRACT AMOUNT (direct + O & P) = \$69,536

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Total = \$0

\$3,477

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$14,809

TOTAL BOND AMOUNT (direct + indirect) = \$73,013

SAFEGUARDING UNDERGROUND OPENINGS

Task description: Seal 5 disturbed portals

Site: Monogram Mines Permit Action: 2024-02-08 Update Permit/Job#: M1978222UG

PROJECT IDENTIFICATION

Task #: 01A State: Colorado Abbreviation: None
Date: 2/8/2024 County: Montrose Filename: 7822201a
User: DMC

Agency or organization name: DRMS

UNIT COSTS

Opening Description	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

Task description: Seal maximum 50 drill holes -300 ft depth

Site: Monogram Mines

Permit Action: 2024-02-08 Update

Permit/Job#: M1978222UG

PROJECT IDENTIFICATION

Task #: 02A

State: Colorado

Abbreviation: None

Date: 2/8/2024

County: Montrose

Filename: 7822202a

User: DMC

Agency or organization name: DRMS

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 WORKTask description: **Recontour portal staging areas**Site: **Monogram Mines**Permit Action: **2024-02-08 Update**Permit/Job#: **M1978222UG****PROJECT IDENTIFICATION**Task #: **03A**State: **Colorado**Abbreviation: **None**Date: **2/8/2024**County: **Montrose**Filename: **7822203a**User: **DMC**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D8T - 8SU**Horsepower: **310**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
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 unit Cost/Hour: **\$448.16**Total Fleet Cost/Hour: **\$448.16****MATERIAL QUANTITIES**Initial Volume: **6,950**Swell factor: **1.000**Loose volume: **6,950 LCY**Source of estimated volume: **50' x 100' pad * 15' face /2 *5 = ft3 conv. yd3**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly production: **1,400.0 LCY/hr**Materials consistency description: **Partly consolidated stockpile 1.1**Average push gradient: **15 %**Average site altitude: **6,350 feet**Material weight: **2,550 lbs/LCY**Weight description: **Sandstone****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.666	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3291

Adjusted unit production: 460.74 LCY/hr

Adjusted fleet production: **460.74** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.973/LCY

Total job time: **15.08** Hours

Total job cost: **\$6,760**

REVEGETATION WORKTask description: Reveg. 4.1 acre total drill disturbanceSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822204aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

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

TILLING

Description	Cost /Acre
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
Total Mulch Application Cost/Acre	\$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

JOB TIME AND COST

No. of Acres:	4.1	Cost /Acre:	\$2,070.44
Estimated Failure Rate:	25%	Cost /Acre*:	\$2,070.44
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$8,488.80		
Reseeding Job Cost:	\$2,122.20		
Total Job Cost:	\$10,611		
Job Hours:	4.00		

REVEGETATION WORKTask description: Reveg. 1 acre portal areasSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822205aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

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

TILLING

Description	Cost /Acre
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
Total Mulch Application Cost/Acre	\$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

JOB TIME AND COST

No. of Acres: 1 Cost /Acre: \$2,070.44
 Estimated Failure Rate: 25% Cost /Acre*: \$2,070.44
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$2,070.44
 Reseeding Job Cost: \$517.61
 Total Job Cost: \$2,588
 Job Hours: 1.00

DEMOLITION WORK

Task description: Demo concrete ore bins

Site: Monogram Mines

Permit Action: 2024-02-08 Update

Permit/Job#: M1978222UG

PROJECT IDENTIFICATION

Task #: 06A

State: Colorado

Abbreviation: None

Date: 2/8/2024

County: Montrose

Filename: 7822206a

User: DMC

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 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

Job Hours: 8.00

Subtotal
(unadjusted): \$1,341.60

Total Cost
(adjusted for location): \$1,235.61

WHEEL LOADER – LOAD AND CARRY WORKTask description: Haul 6" ore pad material to pit for burialSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822207aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 450EAttachment 1: ROPS CabHorsepower: 101Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		Utilization %
Ownership Cost/Hour:	\$92.02	NA
Operating Cost/Hour:	\$55.42	100
Operator Cost/Hour:	\$40.71	NA
Total Unit Cost/Hour:	\$188.15	
Total Fleet Cost/Hour:	\$188.15	

MATERIAL QUANTITIESInitial volume: 65

CCY

Swell factor: 1.335Loose volume: 87

LCY

Source of estimated volume: .08 acre ore pad load zone x 6" liftSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Loader Cycle Time: Unadjusted Basic Cycle Time (load, dump, maneuver): 0.475 minutes

Cycle Time Factors		Factor (min.)	Source
Material:	Material 3/4" to 6" diameter 0.00	0.000	(Cat HB)
Stockpile:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Truck Ownership:	No adjustment - factor not applicable 0.00	0.000	(Cat HB)
Operation:	Constant operation -0.04	-0.040	(Cat HB)
Dump Target:	Nominal target 0.00	0.000	(Cat HB)
Net Cycle Time Adjustment:		-0.040	minutes
Adjusted Basic Cycle Time:		0.435	minutes

Rolling Resistance – Road ConditionsHaul: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0Return: Rutted dirt, little maintenance, no water, 1" tire penetration 4.0**Haul and Return Time**

	Length (feet)	Grade Res. (%)	Rolling Res. (%)	Total Res. (%)	Travel Time (minutes)	Source
Haul Route:	1000	4.00	4.00	8.00	0.9510	(Cat HB)
Return Route:	1000	-4.00	4.00	0.00	0.3516	(Cat HB)

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

Load Bucket 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

Job Condition Correction Factors

Site Altitude: 6350 feet

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

JOB TIME AND COST

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: Rip/grade staging-office-ore bin area

Site: Monogram Mines

Permit Action: 2024-02-08 Update

Permit/Job#: M1978222UG

PROJECT IDENTIFICATION

Task #: 08A

State: Colorado

Abbreviation: None

Date: 2/8/2024

County: Montrose

Filename: 7822208a

User: DMC

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU

Ripper Attachment: 3-Shank Ripper

Horsepower: 310

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper Ownership Cost/Hour:	\$14.11	NA
Ripper Operating Cost/Hour:	\$7.45	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$448.16	
Total Fleet Cost/Hour:	\$448.16	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 1.00 acres Rip Depth (ft): 2.00 Volume: 3,227 BCY or CCY

Source of estimated quantity: DRMS

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 2.56 feet/pass
Average Ripping Width: 7.08 feet/pass
Average Ripping Length: 100.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.703 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.703 Acres/hr
Site Altitude: 6,350 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier
Adjusted Hourly Unit Production: 0.58 Acres/hr
Adjusted Hourly Fleet Production: **0.58** Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **1.71** Hours

Unit cost: \$767.601 Per acre Total job cost: **\$768**

BULLDOZER WORKTask description: Push 4" topsoil over staging areaSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 09AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822209aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$241.38</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$143.92</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$426.60Total Fleet Cost/Hour: **\$426.60****MATERIAL QUANTITIES**Initial Volume: 537Swell factor: 1.000Loose volume: **537 LCY**Source of estimated volume: 1 ac. 4" depthSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,400.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 6,350 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

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

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(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: **1203.02** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.355/LCY

Total job time: **0.45** Hours

Total job cost: **\$190**

REVEGETATION WORKTask description: Reveg. staging areaSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 10AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822210aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

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

TILLING

Description	Cost /Acre
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
Total Mulch Application Cost/Acre	\$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

JOB TIME AND COST

No. of Acres: 1 Cost /Acre: \$2,070.44
 Estimated Failure Rate: 25% Cost /Acre*: \$2,070.44
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$2,070.44
 Reseeding Job Cost: \$517.61
 Total Job Cost: \$2,588
 Job Hours: 1.00

BULLDOZER WORKTask description: Push overburden / waste rock over pit areaSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 11AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822211aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$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

Total unit Cost/Hour: \$426.60Total Fleet Cost/Hour: **\$426.60****MATERIAL QUANTITIES**Initial Volume: 3,250Swell factor: 1.000Loose volume: **3,250 LCY**Source of estimated volume: 2 acres 1' depthSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 852.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -5 %Average site altitude: 6,350 feetMaterial weight: 3,300 lbs/LCYWeight description: Decomposed rock - 75% Rock, 25% Earth**Job Condition Correction Factor**

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

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: 395.95 LCY/hr

Adjusted fleet production: **395.95** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.077/LCY

Total job time: **8.21** Hours

Total job cost: **\$3,502**

BULLDOZER WORKTask description: Push 4" topsoil over pit areaSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 12AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822212aUser: DMCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$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

Total unit Cost/Hour: \$426.60Total Fleet Cost/Hour: **\$426.60****MATERIAL QUANTITIES**Initial Volume: 1,075Swell factor: 1.000Loose volume: **1,075 LCY**Source of estimated volume: 2 acres 4" depthSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 100 feetUnadjusted hourly production: 852.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: -5 %Average site altitude: 6,350 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

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

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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.9582

Adjusted unit production: 816.96 LCY/hr

Adjusted fleet production: **816.96** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.522/LCY

Total job time: **1.32** Hours

Total job cost: **\$561**

REVEGETATION WORKTask description: Reveg. pit areaSite: Monogram MinesPermit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**Task #: 13AState: ColoradoAbbreviation: NoneDate: 2/8/2024County: MontroseFilename: 7822213aUser: DMCAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

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

TILLING

Description	Cost /Acre
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
Total Mulch Application Cost/Acre	\$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

JOB TIME AND COST

No. of Acres:	2	Cost /Acre:	\$2,070.44
Estimated Failure Rate:	25%	Cost /Acre*:	\$2,070.44
*Selected Replanting Work Items:	TILLING,SEEDING,MULCHING		
Initial Job Cost:	\$4,140.88		
Reseeding Job Cost:	\$1,035.22		
Total Job Cost:	\$5,176		
Job Hours:	2.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize reclamation crew/equipment**Site: **Monogram Mines**Permit Action: 2024-02-08 UpdatePermit/Job#: M1978222UG**PROJECT IDENTIFICATION**

Task #: 14A State: Colorado Abbreviation: None
 Date: 2/8/2024 County: Montrose Filename: 7822214a
 User: DMC

Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**

Shift basis: 1 per day
 Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)**Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$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
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$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 Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$25.94	\$82.29	1	\$108.23	\$82.29	\$250.00
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:	NUCLA/NATURITA	
Total one-way travel distance:	20.00	miles
Average Travel Speed:	35.00	mph

Total Non-Roadable Mob/Demob Cost *	\$5,006.94
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$18.09
** one round trip, no haul rig:	

Transportation Cycle Time:

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

JOB TIME AND COST

Total job time: 4.29 Hours

Total job cost: \$5,025