



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

January 13, 2025

George Glasier
Pinon Ridge Mining LLC
P O Box 825
31161 Highway 90
Nucla, CO 81424

Re: Sunday Mine - File No. M-1977-285
Pinon Ridge Mining LLC
Surety Increase (SI-2)
Surety Increase

Dear George Glasier:

On January 13, 2025 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$523,126.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$192,884.00.

Regular surety increased based on inspection changes and inflationary increases

Please see the November 13, 2024 inspection report for details regarding why this surety increase is required.

On January 13, 2025, the Division ordered amendment of the current Financial Warranty or submittal of a new Financial Warranty reflecting the increase, within 60 days.

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567, or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit if the amount of any increased Financial Warranty has not been provided by March 14, 2025.

| | |
|------------------|--------------|
| Bond Held: | \$330,242.00 |
| Prior Liability: | \$330,242.00 |



| | |
|-----------------------------|--------------|
| Change in Liability: | \$192,884.00 |
| Revised Liability: | \$523,126.00 |
| Prior Permit Acreage: | 60.00 |
| Change in Permit Acreage: | 0.00 |
| Revised Permit Acreage: | 60.00 |
| Prior Affected Acreage: | 40.00 |
| Change in Affected Acreage: | 0.00 |
| Revised Affected Acreage: | 40.00 |

If you have any questions, please contact me by telephone at (303) 919-2997, or by email at Lucas.west@state.co.us.

Sincerely,



Lucas J. West
Environmental Protection Specialist

George Glasier, Pinon Ridge Mining LLC
George Glasier, Pinon Ridge Mining LLC

COST SUMMARY WORK

Task description: Cost Summary

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-000

User: LJW

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|------|--|-----------|------------|------------|----------|
| 001 | Demolition of structures, underground or onsite disposal | DEMOLISH | 1 | 80.00 | \$35,408 |
| 002 | Portal closure (backfilling) | MINESEAL | 1 | 40.00 | \$31,106 |
| 003 | Downhill dozing of waste dump | DOZER | 2 | 33.29 | \$31,619 |
| 004 | Rough grading on top of pad and against cut face | DOZER | 2 | 70.06 | \$66,541 |
| 005 | Lateral dozing of dump face | DOZER | 2 | 12.99 | \$12,337 |
| 006a | Demo Vent Fan S-1 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 006b | Vent Shaft Closure S-1 | MINESEAL | 1 | 16.00 | \$4,218 |
| 007a | Demo Vent Fan S-2 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 007b | Vent Shaft Closure S-2 | MINESEAL | 1 | 16.00 | \$4,218 |
| 008a | Demo Vent Fan S-3 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 008b | Vent Shaft Closure S-3 | MINESEAL | 1 | 16.00 | \$4,218 |
| 009a | Demo Vent Fan S-4 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 009b | Vent Shaft Closure S-4 | MINESEAL | 1 | 16.00 | \$4,218 |
| 010a | Demo Vent Fan S-7 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 010b | Vent Shaft Closure S-7 | MINESEAL | 1 | 16.00 | \$4,218 |
| 011a | Demo Vent Fan S-8 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 011b | Vent Shaft Closure S-8 | MINESEAL | 1 | 16.00 | \$4,218 |
| 012a | Demo Vent Fan S-15 | DEMOLISH | 1 | 36.00 | \$1,366 |
| 012b | Vent Shaft Closure S-15 | MINESEAL | 1 | 16.00 | \$4,218 |
| 014 | Rip (older) vent shaft roads | RIPPER | 1 | 1.59 | \$773 |
| 015 | Rip new vent shaft pads | RIPPER | 1 | 1.69 | \$819 |
| 016 | Rip new vent shaft roads | RIPPER | 1 | 3.58 | \$1,737 |
| 017 | Rip (older) vent shaft pads | RIPPER | 1 | 1.69 | \$819 |
| 018 | Rip portal pad and dump areas | RIPPER | 2 | 4.05 | \$3,932 |
| 019 | Grade new vent shaft roads | DOZER | 1 | 2.23 | \$1,060 |
| 020 | Grade (older) vent shaft roads | DOZER | 1 | 1.10 | \$523 |
| 021 | Grade (older) vent shaft pads | DOZER | 1 | 1.40 | \$664 |
| 022 | Grade (older) vent shaft pads | DOZER | 1 | 1.40 | \$664 |
| 023 | Spread topsoil on pad | DOZER | 1 | 1.37 | \$649 |
| 024 | Haul low grade ore underground | LOADER | 2 | 376.07 | \$66,013 |
| 025a | Remove Operational Soils from lined ore pad, fold up liner | EXCAVATE | 1 | 0.85 | \$441 |
| 025b | Load and carry liner into underground workings | TRUCK1 | 1 | 1.44 | \$843 |
| 025c | Grade out material from deconstructed ore pad | DOZER | 1 | 0.77 | \$365 |
| 026 | Revegetate (older) vent shaft pads and vent roads | REVEGE | 1 | 8.00 | \$4,739 |
| 027 | Revegetate new vent shaft pads and vent roads | REVEGE | 1 | 16.00 | \$7,701 |
| 028 | Revegetate "affected area" at portal pad and dump | REVEGE | 1 | 36.00 | \$65,164 |
| 029 | Haul reclamation equipment to and from site | MOBILIZE | 1 | 9.20 | \$13,015 |

| | | |
|--------------------------|----------------|------------------|
| <u>SUBTOTALS:</u> | 1068.77 | \$386,020 |
|--------------------------|----------------|------------------|

INDIRECT COSTS**OVERHEAD AND PROFIT:**

| | | | |
|----------------------|--------|------------------------------------|-----------|
| Liability insurance: | 2.02 | Total = | \$7,798 |
| Performance bond: | 1.05 | Total = | \$4,053 |
| Job superintendent: | 534.39 | Total = | \$42,361 |
| Profit: | 10.00 | Total = | \$38,602 |
| | | TOTAL O & P = | \$92,814 |
| | | CONTRACT AMOUNT (direct + O & P) = | \$478,834 |

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

| | | | |
|--|------|---------|----------|
| Financial warranty processing (legal/related costs): | \$0 | Total = | \$0 |
| Engineering work and/or contract/bid preparation: | 4.25 | Total = | \$20,350 |
| Reclamation management and/or administration: | 5.00 | | \$23,942 |

| | | | |
|--------------|------|---------|-----|
| CONTINGENCY: | 0.00 | Total = | \$0 |
|--------------|------|---------|-----|

| | |
|-----------------------|-----------|
| TOTAL INDIRECT COST = | \$137,106 |
|-----------------------|-----------|

| | |
|--|------------------|
| TOTAL BOND AMOUNT (direct + indirect) = | \$523,126 |
|--|------------------|

DEMOLITION WORK

Task description: Demolition of structures, underground or onsite disposal

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-01

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 96.90 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|-------------------------------|------------|--|-----------|------|-----------|------------|
| Warehouse/wash bay | 44x16x12 | Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 200 ft. push | 4,884.00 | CF | \$0.24 | \$1,153.60 |
| Auxiliary bldg. | 14x20x10 | Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 200 ft. push | 2,800.00 | CF | \$0.24 | \$661.36 |
| West shop | 40x40x15 | Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 200 ft. push | 24,000.00 | CF | \$0.24 | \$5,668.80 |
| Office and dry | 50x36x15 | Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push | 27,000.00 | CF | \$0.22 | \$5,821.20 |
| Small items warehouse | 28x12x10 | Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push | 3,360.00 | CF | \$0.22 | \$724.42 |
| Compressor bldg. | 20x40x15 | Bldg. (SN) demo./on-site disposal in existing pit or cut - Max. 50 ft. push | 12,000.00 | CF | \$0.22 | \$2,587.20 |
| Warehouse/wash bay slab | 44x16 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 704.00 | SF | \$0.79 | \$557.71 |
| Warehouse/wash bay ext. slab | 19x19 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 361.00 | SF | \$0.79 | \$285.98 |
| Auxiliary bldg. slab | 14x20 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 280.00 | SF | \$0.79 | \$221.82 |
| West shop slab | 40x40 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 1,600.00 | SF | \$0.79 | \$1,267.52 |
| West shop ext. (W) slab | 36x36 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 1,296.00 | SF | \$0.79 | \$1,026.69 |

| | | | | | | |
|------------------------------------|----------------------|---|----------|------|----------|------------|
| West shop sidewalk | 4x36 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 144.00 | SF | \$0.79 | \$114.08 |
| West shop ext. (S) slab | 12x40 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 480.00 | SF | \$0.79 | \$380.26 |
| East shop slab | 41x35 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 1,435.00 | SF | \$0.79 | \$1,136.81 |
| Attached storage slab | 12x26 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 312.00 | SF | \$0.79 | \$247.17 |
| Attached storage slab | 12x12 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 144.00 | SF | \$0.79 | \$114.08 |
| East shop ext. (W) slab | 35x13 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 455.00 | SF | \$0.79 | \$360.45 |
| Office and dry slab | 50x36 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 200 ft. push | 1,800.00 | SF | \$0.79 | \$1,425.96 |
| Office and dry sidewalk | 90x4 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push | 360.00 | SF | \$0.76 | \$271.87 |
| Small items warehouse slab | 28x12 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push | 336.00 | SF | \$0.76 | \$253.75 |
| Compressor bldg. slab | 20x16 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push | 320.00 | SF | \$0.76 | \$241.66 |
| Compressor bldg. slab | 20x40 | Demo. and on-site disposal in existing pit, 4 in. thick - Max. 50 ft. push | 800.00 | SF | \$0.76 | \$604.16 |
| Denison-owned powerlines | 3800 LF single poles | Disposal of utility pole cross arms and hardware surplus material | 3,800.00 | LF | \$0.01 | \$38.00 |
| Misc debris/materials | 50x60x10 mass | Push demolished materials/rubble/debris into pit - Max. 200 ft. push | 1,111.00 | CY | \$3.32 | \$3,690.74 |
| Denison-owned non-PCB transformers | 20x20x48 inch | Hazardous waste removal - Drum solids/liquids, per drum, (1-6 drum job) | 6.00 | DRUM | \$492.56 | \$2,955.38 |
| Remove 3 shipping containers | 40' container | Loading and 5 mile haul, salvage allowed - Steel frame structures | 258.00 | CY | \$13.75 | \$3,547.50 |

| | | | | | | |
|--------------------------------|-------------|---|-------|----|---------|------------|
| Remove portable Office Trailer | 40' trailer | Loading and 5 mile haul, salvage allowed - Steel frame structures | 86.00 | CY | \$13.75 | \$1,182.50 |
|--------------------------------|-------------|---|-------|----|---------|------------|

| | | | | | |
|-------------------|--------------|-----------------------------------|--------------------|--|--------------------|
| Job Hours: | <u>80.00</u> | Subtotal (unadjusted): | <u>\$36,540.67</u> | Total Cost (adjusted for location): | <u>\$35,407.91</u> |
|-------------------|--------------|-----------------------------------|--------------------|--|--------------------|

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Portal closure (backfilling)**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-2
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|-----------------------------------|-------------------|--|-----------------|-------------|------------------|-------------------|
| Portal, backfill debris in adit | 10x10 | Adit closure - backfilling (per cu. yd.) | 600.00 | CY | \$43.75 | \$26,250.00 |
| Portal, backfill overburden/earth | 10x10 | Adit closure - backfilling (per cu. yd.) | 111.00 | CY | \$43.75 | \$4,856.25 |

Job Hours: 40.00 **Total Cost:** \$31,106.25

BULLDOZER WORKTask description: **Downhill dozing of waste dump**Site: **Sunday Mine**Permit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-03User: LJWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|----------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |

Total unit Cost/Hour: \$474.89Total Fleet Cost/Hour: **\$949.77****MATERIAL QUANTITIES**Initial Volume: 31,500Swell factor: 1.335Loose volume: **42,053 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 120 feetUnadjusted hourly
production: 1,093.1 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push
gradient: -10 %Average site altitude: 5,800 feetMaterial weight: 2,550 lbs/LCYWeight description: Sandstone**Job Condition Correction Factor**Operator Skill: 0.750Source
(AVG.)

| | | |
|-----------------------|-------|---------------|
| Material consistency: | 1.000 | (CAT HB) |
| Dozing method: | 1.200 | (SLOT) |
| Visibility: | 1.000 | (AVG.) |
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.700 | (FND-MF) |
| Push gradient: | 1.225 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.902 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.5778

Adjusted unit
production: 631.59 LCY/hr
Adjusted fleet
production: **1263.18** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.752/LCY

Total job time: **33.29** Hours
Total job cost: **\$31,619**

BULLDOZER WORKTask description: **Rough grading on top of pad and against cut face**Site: **Sunday Mine**Permit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-4User: LJWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|-----------------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total unit Cost/Hour: | \$474.89 | |
| Total Fleet Cost/Hour: | \$949.77 | |

MATERIAL QUANTITIESInitial Volume: 29,800Swell factor: 1.335Loose volume: **39,783 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 200 feetUnadjusted hourly
production: 700.0 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push
gradient: 5 %Average site altitude: 5,800 feetMaterial weight: 2,550 lbs/LCYWeight description: Sandstone**Job Condition Correction Factor**Operator Skill: 0.750Source
(AVG.)

| | | |
|-----------------------|-------|---------------|
| Material consistency: | 1.000 | (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: | 0.903 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.902 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.4056

Adjusted unit production: 283.92 LCY/hr

Adjusted fleet production: **567.84** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$1.673/LCY

Total job time: **70.06** Hours

Total job cost: **\$66,541**

BULLDOZER WORKTask description: **Lateral dozing of dump face**Site: **Sunday Mine**Permit Action: **2024 Update**Permit/Job#: **M1977285****PROJECT IDENTIFICATION**Task #: **005**State: **Colorado**Abbreviation: **None**Date: **11/25/2024**County: **San Miguel**Filename: **M285-05**User: **LJW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|-----------------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total unit Cost/Hour: | \$474.89 | |
| Total Fleet Cost/Hour: | \$949.77 | |

MATERIAL QUANTITIESInitial Volume: **9,750**Swell factor: **1.335**Loose volume: **13,016 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell
factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **150 feet**Unadjusted hourly
production: **910.5 LCY/hr**Materials consistency description: **Consolidated stockpile 1.0**Average push
gradient: **-10 %**Average site altitude: **5,800 feet**Material weight: **2,550 lbs/LCY**Weight description: **Sandstone****Job Condition Correction Factor**Operator Skill: **0.750****Source
(AVG.)**

| | | |
|-----------------------|-------|---------------|
| Material consistency: | 1.000 | (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: | 1.225 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.902 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.5503

Adjusted unit
production: 501.05 LCY/hr

Adjusted fleet
production: **1002.1** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.948/LCY

Total job time: **12.99** Hours

Total job cost: **\$12,337**

DEMOLITION WORK

Task description: **Demo Vent Fan S-1**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 006A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-006a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-1**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 006B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-006b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

DEMOLITION WORK

Task description: **Demo Vent Fan S-1**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 007A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-007a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-2**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 007B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-007b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

DEMOLITION WORK

Task description: **Demo Vent Fan S-3**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 008A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-008a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-3**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 008B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-008b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

DEMOLITION WORK

Task description: **Demo Vent Fan S-4**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 009A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-009a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-4**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 009B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-009b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

DEMOLITION WORK

Task description: **Demo Vent Fan S-7**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 010A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-010a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-7**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 010B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-010b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

DEMOLITION WORK

Task description: **Demo Vent Fan S-8**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 011A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-011a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-8**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 011B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-011b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

DEMOLITION WORK

Task description: **Demo Vent Fan S-15**

Site: **Sunday Mine**

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 012A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-012a

User: LJW

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 86.60 %

| Structure or Item Description | Dimensions | Demolition Menu Selection | Quantity | Unit | Unit Cost | Total Cost |
|--|---------------|---|----------|------|------------|------------|
| Remove steel fan / diffuser | 6x6x4 | USER PROVIDED ITEM | 5.00 | CY | \$50.00 | \$250.00 |
| Break Concrete collar, downshaft disp. | 12x12x1 | Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push | 144.00 | SF | \$2.27 | \$326.23 |
| Cut off Casing | 6ft Diam x 3' | USER PROVIDED ITEM | 1.00 | EA | \$1,001.70 | \$1,001.70 |

Job Hours: 36.00

Subtotal
(unadjusted): \$1,577.93

Total Cost
(adjusted for location): \$1,366.49

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Vent Shaft Closure S-15**

Site: **Sunday Mine** Permit Action: 2024 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 012B State: Colorado Abbreviation: None
Date: 11/25/2024 County: San Miguel Filename: M285-012b
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|---------------------|------------|--|----------|------|-----------|------------|
| Shaft Closure | 6x6x6" | Shaft closure - concrete cap, poured-in-place (per Cubic Feet) | 216.00 | CF | \$19.53 | \$4,218.48 |

Job Hours: 16.00

Total Cost: \$4,218.48

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **Install atmospheric bulkhead underground**

Site: **Sunday Mine** Permit Action: 2022 Update Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 013 State: Colorado Abbreviation: None
Date: 6/7/2022 County: San Miguel Filename: M285-013
User: LJW

Agency or organization name: DRMS

UNIT COSTS

| Opening Description | Dimensions | Closure Method | Quantity | Unit | Unit Cost | Total Cost |
|----------------------------|-------------------|--|-----------------|-------------|------------------|-------------------|
| Underground workings | 12x15 | Adit closure - bulkhead seal (per opening) | 1.00 | EA | \$5,246.60 | \$5,246.60 |

Job Hours: **48.00**

Total Cost: **\$5,246.60**

BULLDOZER RIPPING WORK

Task description: Rip (older) vent shaft roads

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 014

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-14

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper Ownership Cost/Hour: | \$18.79 | NA |
| Ripper Operating Cost/Hour: | \$9.48 | 100 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total Unit Cost/Hour: | \$484.37 | |
| Total Fleet Cost/Hour: | \$484.37 | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 1.18 acres

Rip Depth (ft): 1.00

Volume: 1,904

BCY or CCY

Source of estimated quantity: Permit file

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

| | | |
|---------------------------|---------------|--------------|
| Average Ripping Depth: | <u>2.00</u> | feet/pass |
| Average Ripping Width: | <u>7.67</u> | feet/pass |
| Average Ripping Length: | <u>500.00</u> | feet/pass |
| Average Dozer Speed: | <u>88.00</u> | feet/minute |
| Average Maneuver Time: | <u>0.25</u> | minutes/pass |
| Production per unit area: | <u>0.891</u> | acres/hour |

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.891 Acres/hr

Site Altitude: 7,200 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.74 Acres/hr

Adjusted Hourly Fleet Production: 0.74 Acres/hr

JOB TIME AND COST

Fleet size: 1

Grader(s)

Total job time: 1.60 Hours

Unit cost: \$655.327

Per acre

Total job cost: \$773

BULLDOZER RIPPING WORK

Task description: Rip new vent shaft pads

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 015

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-15

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper Ownership Cost/Hour: | \$18.79 | NA |
| Ripper Operating Cost/Hour: | \$9.48 | 100 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total Unit Cost/Hour: | \$484.37 | |
| Total Fleet Cost/Hour: | \$484.37 | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 1.25 acres

Rip Depth (ft): 1.00

Volume: 2,017

BCY or CCY

Source of estimated quantity: AM-2 (approved in 2007)

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

| | | |
|---------------------------|---------------|--------------|
| Average Ripping Depth: | <u>2.00</u> | feet/pass |
| Average Ripping Width: | <u>7.67</u> | feet/pass |
| Average Ripping Length: | <u>500.00</u> | feet/pass |
| Average Dozer Speed: | <u>88.00</u> | feet/minute |
| Average Maneuver Time: | <u>0.25</u> | minutes/pass |
| Production per unit area: | <u>0.891</u> | acres/hour |

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.891 Acres/hr

Site Altitude: 7,200 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.74 Acres/hr

Adjusted Hourly Fleet Production: 0.74 Acres/hr

JOB TIME AND COST

Fleet size: 1

Grader(s)

Total job time: 1.69 Hours

Unit cost: \$655.327

Per acre

Total job cost: \$819

BULLDOZER RIPPING WORK

Task description: Rip new vent shaft roads

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 016

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-16

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper Ownership Cost/Hour: | \$18.79 | NA |
| Ripper Operating Cost/Hour: | \$9.48 | 100 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total Unit Cost/Hour: | \$484.37 | |
| Total Fleet Cost/Hour: | \$484.37 | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 2.65 acres

Rip Depth (ft): 1.00

Volume: 4,275

BCY or CCY

Source of estimated quantity: Amendment

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

| | | |
|---------------------------|---------------|--------------|
| Average Ripping Depth: | <u>2.00</u> | feet/pass |
| Average Ripping Width: | <u>7.67</u> | feet/pass |
| Average Ripping Length: | <u>500.00</u> | feet/pass |
| Average Dozer Speed: | <u>88.00</u> | feet/minute |
| Average Maneuver Time: | <u>0.25</u> | minutes/pass |
| Production per unit area: | <u>0.891</u> | acres/hour |

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.891 Acres/hr

Site Altitude: 5,800 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.74 Acres/hr

Adjusted Hourly Fleet Production: 0.74 Acres/hr

JOB TIME AND COST

Fleet size: 1

Grader(s)

Total job time: 3.59 Hours

Unit cost: \$655.327

Per acre

Total job cost: \$1,737

BULLDOZER RIPPING WORK

Task description: Rip (older) vent shaft pads

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 017

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-17

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper Ownership Cost/Hour: | \$18.79 | NA |
| Ripper Operating Cost/Hour: | \$9.48 | 100 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total Unit Cost/Hour: | \$484.37 | |
| Total Fleet Cost/Hour: | \$484.37 | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 1.25 acres

Rip Depth (ft): 1.00

Volume: 2,017

BCY or CCY

Source of estimated quantity: Permit file (7 vent shaft pads)

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

| | | |
|---------------------------|---------------|--------------|
| Average Ripping Depth: | <u>2.00</u> | feet/pass |
| Average Ripping Width: | <u>7.67</u> | feet/pass |
| Average Ripping Length: | <u>500.00</u> | feet/pass |
| Average Dozer Speed: | <u>88.00</u> | feet/minute |
| Average Maneuver Time: | <u>0.25</u> | minutes/pass |
| Production per unit area: | <u>0.891</u> | acres/hour |

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.891 Acres/hr

Site Altitude: 7,200 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.74 Acres/hr

Adjusted Hourly Fleet Production: 0.74 Acres/hr

JOB TIME AND COST

Fleet size: 1

Grader(s)

Total job time: 1.69 Hours

Unit cost: \$655.327

Per acre

Total job cost: \$819

BULLDOZER RIPPING WORK

Task description: Rip portal pad and dump areas

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 018

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-18

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D9T - 9SU

Horsepower: 405

Ripper Attachment: 3-Shank Ripper

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|-----------------------------|-----------------|---------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper Ownership Cost/Hour: | \$18.79 | NA |
| Ripper Operating Cost/Hour: | \$9.48 | 100 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total Unit Cost/Hour: | \$484.37 | |
| Total Fleet Cost/Hour: | \$968.73 | |

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA

Bank Volume: NA

BCY NA

Area: 6.00 acres

Rip Depth (ft): 1.00

Volume: 9,680

BCY or CCY

Source of estimated quantity: Permit file

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

| | | |
|---------------------------|---------------|--------------|
| Average Ripping Depth: | <u>2.00</u> | feet/pass |
| Average Ripping Width: | <u>7.67</u> | feet/pass |
| Average Ripping Length: | <u>500.00</u> | feet/pass |
| Average Dozer Speed: | <u>88.00</u> | feet/minute |
| Average Maneuver Time: | <u>0.25</u> | minutes/pass |
| Production per unit area: | <u>0.891</u> | acres/hour |

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.891 Acres/hr

Site Altitude: 5,800 feet

Altitude Adj: 1.00 (CAT HB)

Job Efficiency: 0.83 (1 shift/day)

Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.74 Acres/hr

Adjusted Hourly Fleet Production: 1.48 Acres/hr

JOB TIME AND COST

Fleet size: 2 Grader(s) Total job time: 4.06 Hours

Unit cost: \$655.327 Per acre Total job cost: \$3,932

BULLDOZER WORKTask description: **Grade new vent shaft roads**Site: **Sunday Mine**Permit Action: **2024 Update**Permit/Job#: **M1977285****PROJECT IDENTIFICATION**Task #: **019**State: **Colorado**Abbreviation: **None**Date: **11/25/2024**County: **San Miguel**Filename: **M285-19**User: **LJW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|----------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |

Total unit Cost/Hour: **\$474.89**Total Fleet Cost/Hour: **\$474.89****MATERIAL QUANTITIES**Initial Volume: **2,138**Swell factor: **1.000**Loose volume: **2,138 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell
factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly
production: **2,110.5 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push
gradient: **0 %**Average site altitude: **5,800 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**Operator Skill: **0.750****Source
(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: | 0.700 | (FND-MF) |
| Push gradient: | 1.000 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.868 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.4539

Adjusted unit production: 957.96 LCY/hr

Adjusted fleet production: **957.96** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.496/LCY

Total job time: **2.23** Hours

Total job cost: **\$1,060**

BULLDOZER WORKTask description: **Grade (older) vent shaft roads**Site: **Sunday Mine**Permit Action: **2024 Update**Permit/Job#: **M1977285****PROJECT IDENTIFICATION**Task #: **020**State: **Colorado**Abbreviation: **None**Date: **11/25/2024**County: **San Miguel**Filename: **M285-020**User: **LJW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|-----------------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total unit Cost/Hour: | \$474.89 | |
| Total Fleet Cost/Hour: | \$474.89 | |

MATERIAL QUANTITIESInitial Volume: **952**Swell factor: **1.000**Loose volume: **952 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell
factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly
production: **2,110.5 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push
gradient: **5 %**Average site altitude: **5,800 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**Operator Skill: **0.750****Source
(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: | 0.700 | (FND-MF) |
| Push gradient: | 0.903 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.868 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.4099

Adjusted unit production: 865.09 LCY/hr

Adjusted fleet production: **865.09** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.549/LCY

Total job time: **1.10** Hours

Total job cost: **\$523**

BULLDOZER WORKTask description: **Grade (older) vent shaft pads**Site: **Sunday Mine**Permit Action: **2024 Update**Permit/Job#: **M1977285****PROJECT IDENTIFICATION**Task #: **021**State: **Colorado**Abbreviation: **None**Date: **11/25/2024**County: **San Miguel**Filename: **M285-21**User: **LJW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|----------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |

Total unit Cost/Hour: **\$474.89**Total Fleet Cost/Hour: **\$474.89****MATERIAL QUANTITIES**Initial Volume: **1,210**Swell factor: **1.000**Loose volume: **1,210 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell
factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly
production: **2,110.5 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push
gradient: **5 %**Average site altitude: **5,800 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**Operator Skill: **0.750****Source
(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: | 0.700 | (FND-MF) |
| Push gradient: | 0.903 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.868 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.4099

Adjusted unit
production: 865.09 LCY/hr

Adjusted fleet
production: **865.09** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.549/LCY

Total job time: **1.40** Hours

Total job cost: **\$664**

BULLDOZER WORKTask description: **Grade (older) vent shaft pads**Site: **Sunday Mine**Permit Action: **2024 Update**Permit/Job#: **M1977285****PROJECT IDENTIFICATION**Task #: **022**State: **Colorado**Abbreviation: **None**Date: **11/25/2024**County: **San Miguel**Filename: **M285-22**User: **LJW**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D9T - 9SU**Horsepower: **405**Blade Type: **Semi-Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|-----------------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total unit Cost/Hour: | \$474.89 | |
| Total Fleet Cost/Hour: | \$474.89 | |

MATERIAL QUANTITIESInitial Volume: **1,210**Swell factor: **1.000**Loose volume: **1,210 LCY**Source of estimated volume: **Division of Reclamation, Mining & Safety**Source of estimated swell
factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly
production: **2,110.5 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push
gradient: **5 %**Average site altitude: **5,800 feet**Material weight: **2,650 lbs/LCY**Weight description: **Decomposed rock - 25% Rock, 75% Earth****Job Condition Correction Factor**Operator Skill: **0.750**Source
(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: | 0.700 | (FND-MF) |
| Push gradient: | 0.903 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.868 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.4099

Adjusted unit
production: 865.09 LCY/hr

Adjusted fleet
production: **865.09** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.549/LCY

Total job time: **1.40** Hours

Total job cost: **\$664**

BULLDOZER WORKTask description: Spread topsoil on padSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 023State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-23User: LJWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|----------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |

Total unit Cost/Hour: \$474.89Total Fleet Cost/Hour: \$474.89**MATERIAL QUANTITIES**Initial Volume: 1,555Swell factor: 1.000Loose volume: 1,555 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly
production: 2,110.5 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push
gradient: 0 %Average site altitude: 5,800 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packed**Job Condition Correction Factor**Operator Skill: 0.750Source
(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: | 1.000 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.902 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.5390

Adjusted unit
production: 1,137.56 LCY/hr

Adjusted fleet
production: **1137.56** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.417/LCY

Total job time: **1.37** Hours

Total job cost: **\$649**

WHEEL LOADER – LOAD AND CARRY WORKTask description: Haul low grade ore undergroundSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 024State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-24User: LJWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: CAT 924HAttachment 1: ROPS CabHorsepower: 128Shift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | Utilization % |
|------------------------|----------|---------------|
| Ownership Cost/Hour: | \$26.01 | NA |
| Operating Cost/Hour: | \$24.90 | 100 |
| Operator Cost/Hour: | \$36.85 | NA |
| Total Unit Cost/Hour: | \$87.76 | |
| Total Fleet Cost/Hour: | \$175.53 | |

MATERIAL QUANTITIESInitial volume: 71,666

CCY

Swell factor: 1.000Loose volume: 71,666

LCY

Source of estimated volume: Division of Reclamation, Mining & SafetySource 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: | Mixed material 0.02 | 0.020 | (Cat HB) |
| Stockpile: | Conveyor or dozer piled 10 ft. high or less 0.01 | 0.010 | (Cat HB) |
| Truck Ownership: | Common ownership of trucks and loaders - 0.04 | -0.040 | (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: | | -0.050 | minutes |
| Adjusted Basic Cycle Time: | | 0.425 | minutes |

Rolling Resistance – Road ConditionsHaul: Hard, smooth, stabilized, surfaced, watered, maintained 2.0Return: Hard, smooth, stabilized, surfaced, watered, maintained 2.0**Haul and Return Time**

| | Length (feet) | Grade Res. (%) | Rolling Res. (%) | Total Res. (%) | Travel Time (minutes) | Source |
|---------------|------------------|-------------------|---------------------|-------------------|--------------------------|----------|
| Haul Route: | 1000 | 0.00 | 2.00 | 2.00 | 0.4931 | (Cat HB) |
| Return Route: | 1000 | 0.00 | 2.00 | 2.00 | 0.4931 | (Cat HB) |

Total Travel Time: 0.9862 minutes
Total Cycle Time: 1.4112 minutes

Load Bucket Capacity

Rated Capacity: 2.70 LCY (heaped)
Bucket Fill Factor: 1.000 Rock - Well Blasted (95%-105%) 1.000
Adjusted Capacity: 2.70 LCY

Job Condition Correction Factors

Site Altitude: 5800 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: 114.80 LCY/Hour
Adjusted Hourly Unit Production: 95.28 LCY/Hour
Adjusted Hourly Fleet Production: 190.56 LCY/Hour

JOB TIME AND COST

Fleet size: 2 Loader(s) Total job time: 376.08 Hours
Unit cost: \$0.921 /LCY Total job cost: \$66,013

HYDRAULIC EXCAVATOR WORK

Task description: Remove Operational Soils from lined ore pad, fold up liner

Site: Sunday Mine

Permit Action: 2024 Update

Permit/Job#: M1977285

PROJECT IDENTIFICATION

Task #: 025A

State: Colorado

Abbreviation: None

Date: 11/25/2024

County: San Miguel

Filename: M285-25a

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat 324D L 9'-8" Stick

Attachment 1: ROPS Cab

Horsepower: 194

Weight (MT): 24.85

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

| | | Utilization % |
|------------------------|----------|---------------|
| Ownership Cost/Hour: | \$281.20 | NA |
| Operating Cost/Hour: | \$202.68 | 100 |
| Operator Cost/Hour: | \$33.87 | NA |
| Total Unit Cost/Hour: | \$517.75 | |
| Total Fleet Cost/Hour: | \$517.75 | |

MATERIAL QUANTITIES

Initial volume: 355

CCY

Swell factor: 1.125

Loose volume: 399

LCY

Source of estimated volume: 80' x 80' ore pad, 1.5' deep / 27= 355CY

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Excavator Cycle Time (load bucket, swing loaded, dump bucket, swing empty):

Basic Job Condition Description: AVERAGE

Secondary Job Condition within Basic Description: AVERAGE

Cycle Time Value: 0.293 minutes

Load Bucket Capacity

Bucket Size Class: Large

Rated Capacity: 2.98 LCY (heaped)

Bucket Fill Factor: 0.925 Loose material - 1/8" to 3/8" (90 - 95%) 0.925

Adjusted Capacity: 2.76 LCY

Job Condition Correction Factors

Site Altitude: 5800 feet

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

Unadjusted Hourly Unit Production: 564.47 LCY/Hour

Adjusted Hourly Unit Production: 468.51 LCY/Hour

Adjusted Hourly Fleet Production: 468.51 LCY/Hour

JOB TIME AND COST

Fleet size: 1 Excavator Total job time: 0.85 Hours

Unit cost: \$1.105 /LCY Total job cost: \$441

TRUCK/LOADER TEAM WORKTask description: Load and carry liner into underground workingsSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 025BState: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-25bUser: LJWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Shift basis: 1 per day

| | Equipment Description |
|---------------------------------|------------------------|
| Truck Loader Team -Truck: | Generic 2-4 cy, 4x2 |
| -Loader: | Cat 324D L 9'-8" Stick |
| Support Equipment -Load Area: | NA |
| -Dump Area: | NA |
| Road Maintenance -Motor Grader: | NA |
| -Water Truck: | NA |

Cost Breakdown:

| | Truck/Loader Team | | Support Equipment | | Maintenance Equipment | |
|------------------------|-------------------|-----------|-------------------|-----------|-----------------------|-------------|
| | Truck | Excavator | Load Area | Dump Area | Motor Grader | Water Truck |
| %Utilization-machine: | 100 | 100 | NA | NA | NA | NA |
| Ownership cost/hour: | \$11.22 | \$281.20 | NA | NA | NA | NA |
| Operating cost/hour: | \$29.74 | \$202.68 | NA | NA | NA | NA |
| %Utilization-riper: | NA | 0 | NA | NA | NA | NA |
| Ripper own. cost/hour: | NA | \$0.00 | NA | NA | NA | NA |
| Ripper op. cost/hour: | NA | \$0.00 | NA | NA | NA | NA |
| Operator cost/hour: | \$25.24 | \$33.87 | NA | NA | NA | NA |
| Unit Subtotals: | \$66.20 | \$517.75 | NA | NA | NA | NA |
| Number of Units: | 1 | 1 | 0 | 0 | 0 | 0 |
| Group Subtotals: | Work: \$583.95 | | Support: \$0.00 | | Maint: \$0.00 | |

Total work team cost/hour: \$583.95**MATERIAL QUANTITIES**Initial volume: 75

CCY

Swell factor: 1.215Loose volume: 91

LCY

Source of estimated volume: Rolled and folded PVC LinerSource of estimated swell factor: Cat HandbookMaterial Purchase Cost: \$0.00Total Cost: \$0.00**HOURLY PRODUCTION****Truck Capacity:**

Truck Payload (weight) Basis:

Material weight: 1,600

Pounds/LCY

Description: Top SoilRated Payload: 12,420

Pounds

Payload Capacity: 7.76 LCY

Truck Bed (volume) Basis:

Struck Volume: 2.00 LCY
 Heaped Volume: 4.00 LCY
 Average Volume: 3.00 LCY
 Adjusted Volume: 4.00 LCY

Final Truck Volume Based on Number of Loader Passes: 2.68 LCY

Loading Tool Capacity

Bucket Size Class: Large

| | | |
|---------------------|--------------|--|
| Rated Capacity: | <u>2.980</u> | LCY (heaped) |
| Bucket Fill Factor: | <u>0.900</u> | Other - cemented materials (85 - 95%) <u>0.900</u> |
| Adjusted Capacity: | <u>2.682</u> | LCY |

Job Condition Corrections:

Site Altitude (ft.): 5800 feet

| | Truck | Loader | Source |
|-----------------|--------------|--------------|----------|
| Altitude Adj: | 1.000 | 1.000 | (CAT HB) |
| Job Efficiency: | 0.830 | 0.830 | (CAT HB) |
| Net Correction: | 0.830 | 0.830 | |

Loading Tool Cycle Time:

Number of Loading Tool Passes Required to Fill Truck: 1 passes

Excavators and Front Shovels:

Machine Cycle Time vs. Job Condition Rating: AVERAGE
 Selected Value within this Basic Rating: AVERAGE

Track Loaders – Material Description: _____

Cycle Time Elements (min.):

Load: NA Maneuver: NA Dump: 0.100

Wheel and Track Loaders - Unadjusted Basic Loader Cycle Time (load, dump, maneuver): NA minutes

| Cycle Time Factors | | Factor (min.) | Source |
|-----------------------------|----|---------------|----------|
| Material: | NA | NA | (Cat HB) |
| Stockpile: | NA | NA | (Cat HB) |
| Truck Ownership: | NA | NA | (Cat HB) |
| Operation: | NA | NA | (Cat HB) |
| Dump Target: | NA | NA | (Cat HB) |
| Net Cycle Time Adjustment: | | NA | minutes |
| Adjusted Loader Cycle Time: | | 0.293 | minutes |
| Net Load Time per Truck: | | 0.100 | minutes |

Truck Cycle Time:

| | | | | | |
|-------------------------------|--------------|---------|-----------------------------|--------------|---------|
| Truck Exchange Time: | <u>0.50</u> | Minutes | Adjusted for site altitude: | <u>0.500</u> | Minutes |
| Truck Load Time: | <u>0.100</u> | Minutes | Adjusted for site altitude: | <u>0.100</u> | Minutes |
| Truck Maneuver and Dump Time: | <u>0.80</u> | Minutes | Adjusted for site altitude: | <u>0.800</u> | Minutes |

Truck Travel (Haul & Return) Time: penetration 4.0

Road Condition: Rutted dirt, little maintenance, no water, 1" tire

Haul Route:

| Seg # | Haul Distance (Ft) | Grade (%) | Roll. Res (%) | Total Res (%) | Velocity (fpm) | Travel Time (min) |
|-------|--------------------|-----------|---------------|---------------|----------------|-------------------|
| 1 | 850.00 | 0.00 | 4.00 | 4.00 | 2665 | 0.391 |

Haul Time: **0.391** minutes

Return Route:

| Seg # | Haul Distance (Ft) | Grade (%) | Roll. Res (%) | Total Res (%) | Velocity (fpm) | Travel Time (min) |
|-------|--------------------|-----------|---------------|---------------|----------------|-------------------|
| 1 | 850.00 | 0.00 | 4.00 | 4.00 | 2849 | 0.325 |

Return Time: **0.325** minutesTotal Truck Cycle Time: **2.116** minutes

Loading Tool unit

Production 268.20 LCY/HourAdjusted for job efficiency: 222.61 LCY/Hour

Truck Unit Production

76.05 LCY/HourAdjusted for job efficiency: 63.12 LCY/HourOptimal No. of Trucks: 4 Truck(s)Selected Number of Trucks: 1 Truck(s)Adjusted hourly truck team production: 63.12 LCY/HourAdjusted single truck/loader team production: 63.12 LCY/HourAdjusted multiple truck/loader team production: **63.12** LCY/Hour**JOB TIME AND COST**Fleet size: 1 Team(s)Total job time: **1.44** HoursUnit cost: \$9.251 /LCYTotal job cost: **\$843**

BULLDOZER WORKTask description: Grade out material from deconstructed ore padSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 025CState: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-25cUser: LJWAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D9T - 9SUHorsepower: 405Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

| | | <u>Utilization %</u> |
|---------------------------|-----------------|----------------------|
| Ownership Cost/Hour: | \$253.16 | NA |
| Operating Cost/Hour: | \$164.35 | 100 |
| Ripper own. Cost/Hour: | \$18.79 | NA |
| Ripper op. Cost/Hour: | \$0.00 | 0 |
| Operator Cost/Hour: | \$38.59 | NA |
| Total unit Cost/Hour: | \$474.89 | |
| Total Fleet Cost/Hour: | \$474.89 | |

MATERIAL QUANTITIESInitial Volume: 481Swell factor: 1.060Loose volume: **510 LCY**Source of estimated volume: Pad underlayment and operational soilsSource of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly
production: 2,110.5 LCY/hrMaterials consistency description: Dry, non-cohesive 0.8Average push
gradient: 0 %Average site altitude: 5,800 feetMaterial weight: 2,550 lbs/LCYWeight description: Gravel - DryJob Condition Correction FactorOperator Skill: 0.750Source(AVG.)

| | | |
|-----------------------|-------|---------------|
| Material consistency: | 0.800 | (CAT HB) |
| Dozing method: | 1.000 | (GEN.) |
| Visibility: | 1.000 | (AVG.) |
| Job efficiency: | 0.830 | (1 SHIFT/DAY) |
| Spoil pile: | 0.700 | (FND-MF) |
| Push gradient: | 1.000 | (CAT HB) |
| Altitude: | 1.000 | (CAT HB) |
| Material Weight: | 0.902 | (CAT HB) |
| Blade type: | 1.000 | (PAT) |

Net correction: 0.3144

Adjusted unit
production: 663.54 LCY/hr

Adjusted fleet
production: **663.54** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.716/LCY

Total job time: **0.77** Hours

Total job cost: **\$365**

REVEGETATION WORKTask description: Revegetate (older) vent shaft pads and vent roadsSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 026State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-26User: LJWAgency 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 |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| Total Tilling Cost/Acre | \$456.41 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|----------------------------|--------------------------------|------------------------|------------|
| Blue Grama - Native | 0.96 | 15.67 | \$20.47 |
| Indian Ricegrass - Native | 7.42 | 24.02 | \$128.31 |
| Sand Dropseed | 0.14 | 16.71 | \$1.82 |
| Bottlebrush Squirreltail | 4.08 | 17.98 | \$103.65 |
| Galleta | 4.94 | 18.03 | \$273.86 |
| Muttongrass | 0.20 | 4.13 | \$9.53 |
| Sagebrush, Mountain or Big | 0.20 | 10.56 | \$16.54 |
| Saltbush, Four Wing | 0.50 | 0.69 | \$9.94 |
| Winter Fat | 0.50 | 1.27 | \$23.36 |

| | | | |
|------------------------|-------|--------|-----------------|
| Totals Seed Mix | 18.94 | 109.07 | \$587.48 |
|------------------------|-------|--------|-----------------|

Application

| Description | Cost /Acre |
|---|-----------------|
| Broadcast seeding [DMG] | \$272.56 |
| Total Seed Application Cost/Acre | \$272.56 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

| | | | |
|----------------------------------|-------------------|--------------|------------|
| No. of Acres: | 2.4 | Cost /Acre: | \$1,316.45 |
| Estimated Failure Rate: | 50% | Cost /Acre*: | \$1,316.45 |
| *Selected Replanting Work Items: | TILLING,SEEDING | | |
| Initial Job Cost: | \$3,159.48 | | |
| Reseeding Job Cost: | \$1,579.74 | | |
| Total Job Cost: | \$4,739 | | |
| Job Hours: | 8.00 | | |

REVEGETATION WORKTask description: Revegetate new vent shaft pads and vent roadsSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 027State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-027User: LJWAgency 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 |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| Total Tilling Cost/Acre | \$456.41 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|----------------------------|--------------------------------|------------------------|------------|
| Blue Grama - Native | 0.96 | 15.67 | \$20.47 |
| Indian Ricegrass - Native | 7.42 | 24.02 | \$128.31 |
| Sand Dropseed | 0.14 | 16.71 | \$1.82 |
| Bottlebrush Squirreltail | 4.08 | 17.98 | \$103.65 |
| Galleta | 4.94 | 18.03 | \$273.86 |
| Muttongrass | 0.20 | 4.13 | \$9.53 |
| Sagebrush, Mountain or Big | 0.20 | 10.56 | \$16.54 |
| Saltbush, Four Wing | 0.50 | 0.69 | \$9.94 |
| Winter Fat | 0.50 | 1.27 | \$23.36 |

| | | | |
|------------------------|-------|--------|-----------------|
| Totals Seed Mix | 18.94 | 109.07 | \$587.48 |
|------------------------|-------|--------|-----------------|

Application

| Description | Cost /Acre |
|---|-----------------|
| Broadcast seeding [DMG] | \$272.56 |
| Total Seed Application Cost/Acre | \$272.56 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 3.9 Cost /Acre: \$1,316.45
 Estimated Failure Rate: 50% Cost /Acre*: \$1,316.45
 *Selected Replanting Work Items: TILLING,SEEDING

Initial Job Cost: **\$5,134.16**
 Reseeding Job Cost: **\$2,567.08**
 Total Job Cost: **\$7,701**
 Job Hours: **16.00**

REVEGETATION WORKTask description: Revegetate "affected area" at portal pad and dumpSite: Sunday MinePermit Action: 2024 UpdatePermit/Job#: M1977285**PROJECT IDENTIFICATION**Task #: 028State: ColoradoAbbreviation: NoneDate: 11/25/2024County: San MiguelFilename: M285-28User: LJWAgency 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 |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Weed control spraying (MEANS 31 31 16.13 3100) | \$338.80 |
| Total Tilling Cost/Acre | \$456.41 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|----------------------------|--------------------------------|------------------------|------------|
| Blue Grama - Native | 0.96 | 15.67 | \$20.47 |
| Indian Ricegrass - Native | 7.42 | 24.02 | \$128.31 |
| Sand Dropseed | 0.14 | 16.71 | \$1.82 |
| Bottlebrush Squirreltail | 4.08 | 17.98 | \$103.65 |
| Galleta | 4.94 | 18.03 | \$273.86 |
| Muttongrass | 0.20 | 4.13 | \$9.53 |
| Sagebrush, Mountain or Big | 0.20 | 10.56 | \$16.54 |
| Saltbush, Four Wing | 0.50 | 0.69 | \$9.94 |
| Winter Fat | 0.50 | 1.27 | \$23.36 |

| | | | |
|------------------------|-------|--------|-----------------|
| Totals Seed Mix | 18.94 | 109.07 | \$587.48 |
|------------------------|-------|--------|-----------------|

Application

| Description | Cost /Acre |
|---|-------------------|
| Broadcast seeding [DMG] | \$272.56 |
| Total Seed Application Cost/Acre | \$272.56 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-------------------------|-------------|--------------------|-------------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|-------------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

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

JOB TIME AND COST

| | | | |
|----------------------------------|-----------------|--------------|------------|
| No. of Acres: | 33 | Cost /Acre: | \$1,316.45 |
| Estimated Failure Rate: | 50% | Cost /Acre*: | \$1,316.45 |
| *Selected Replanting Work Items: | TILLING,SEEDING | | |
| Initial Job Cost: | \$43,442.85 | | |
| Reseeding Job Cost: | \$21,721.43 | | |
| Total Job Cost: | \$65,164 | | |
| Job Hours: | 36.00 | | |

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Haul reclamation equipment to and from site**Site: **Sunday Mine**Permit Action: **2024 Update**Permit/Job#: **M1977285****PROJECT IDENTIFICATION**Task #: **029**State: **Colorado**Abbreviation: **None**Date: **11/25/2024**County: **San Miguel**Filename: **M285-029**User: **LJW**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: | \$10.44 | \$22.18 | \$23.94 |
| Operating Cost/Hour: | \$26.48 | \$54.55 | \$55.65 |
| Operator Cost/Hour: | \$22.52 | \$22.52 | \$22.52 |
| Helper Cost/Hour: | \$0.00 | \$23.53 | \$23.53 |
| Total Unit Cost/Hour: | \$59.44 | \$122.78 | \$125.64 |

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 D9T - 9SU | 60.01 | \$253.16 | \$125.64 | 2 | \$757.60 | \$251.28 | \$250.00 |
| Cat 324D L 9'-8" Stick | 27.33 | \$281.20 | \$122.78 | 1 | \$403.98 | \$122.78 | \$250.00 |
| CAT 924H | 12.69 | \$26.01 | \$59.44 | 2 | \$170.90 | \$118.88 | \$250.00 |
| Subtotals: | | | | | \$1,332.48 | \$492.94 | \$750.00 |

ROADABLE EQUIPMENT:

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|-------------------------------------|------------------------|------------|-----------------------------|-------------------------------|
| Drill/Broadcast Seeder with Tractor | \$79.16 | 1 | \$79.16 | \$79.16 |
| Power Mulcher (Bowie LD-90) | \$58.47 | 1 | \$58.47 | \$58.47 |
| Light Duty Pickup, 4x4, 3/4 T. | \$13.77 | 1 | \$13.77 | \$13.77 |
| Generic 8-10 cy, 6x4 | \$90.77 | 1 | \$90.77 | \$90.77 |
| Generic 2-4 cy, 4x2 | \$66.20 | 2 | \$132.40 | \$132.40 |
| Subtotals: | | | \$374.57 | \$374.57 |

EQUIPMENT HAUL DISTANCE and Time

| | | |
|--|----------|-------|
| Nearest Major City or Town within project area region: | NATURITA | |
| Total one-way travel distance: | 40.00 | miles |
| Average Travel Speed: | 50.00 | mph |

| | |
|-------------------------------------|-------------|
| Total Non-Roadable Mob/Demob Cost * | \$12,415.55 |
| ** two round trips with haul rig: | |
| Total Roadable Mob/Demob Cost ** | \$599.31 |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | 0.80 | 0.80 |
| Return Time (Hours): | 0.80 | 0.80 |
| Loading Time (Hours): | 1.50 | NA |
| Unloading Time (Hours): | 1.50 | NA |
| Subtotals: | 4.60 | 1.60 |

JOB TIME AND COST

| | | |
|-----------------|------|-------|
| Total job time: | 9.20 | Hours |
|-----------------|------|-------|

| | |
|-----------------|----------|
| Total job cost: | \$13,015 |
|-----------------|----------|