




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Morgan Pit	MINE/PROSPECTING ID#: M-2006-077	MINERAL: Sand and gravel	COUNTY: Huerfano
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: December 12, 2023	INSP. TIME: 12:45
OPERATOR: Paul Morgan Excavating, Inc.	OPERATOR REPRESENTATIVE: Mike Morgan	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$8,844.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Amber Gibson	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 2, 2024	

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

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM: The current mine plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The Operator must provide sufficient information to describe or identify how the Operator intends to conduct the operation.

CORRECTIVE ACTIONS: The Operator shall either:

- Submit a Revision (Technical Revision or an Amendment), with the required revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities by the corrective action date.
- Backfill the eastern highwall to a 3H:1V slope and provide evidence to the Division that has been completed by the corrective action date.

CORRECTIVE ACTION DUE DATE: 3/21/24

OBSERVATIONS

The Morgan Pit was inspected by Amber Gibson with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was last inspected on June 7, 2019 as part of a routine monitoring inspection. Mike Morgan, representing the Operator, was present during the inspection. The weather was cool and the sky was clear.

The Morgan Pit is located approximately 1 mile southwest of La Veta, Colorado. The Morgan Pit is a 110c permit for the removal of sand and gravel. The approved permit area is 9.9 acres and the approved post-mining land use is industrial/commercial. The mine site was surrounded by the following land uses: rural residential, agriculture, and rangeland.

Financial Warranty:

The Division currently holds a reclamation bond in the amount of \$8,844 for this site. The Division has estimated the reclamation liability at the site based on what is currently disturbed and found it to be \$10,317-- a difference of \$1,473 from the bond currently held. The Division's cost estimate is enclosed with this report. **The Operator will have until January 19, 2024 to submit any questions on the cost estimate.** If no questions are received, the Division may issue a Surety Increase notice for the difference. The Operator will have 60 days from the date of the notice to submit and obtain acceptance of the increase in financial warranty from the Division in accordance with Rule 4.2.1(2).

Hydrologic Balance:

No standing water or evidence of run-off outside of the permit boundaries was observed during the inspection. There were small amounts of snow within the pit at the time. The Operator stated that water infiltrates within 72 hours in compliance with DWR requirements. The Operators have ensured that the pit drains to a controlled location in the north-east corner when storm water does enter the site.

Gen. Compliance with Mine Plan:

Active mining was not taking place at the time of the inspection but it was active relatively recently. Since the last inspection, mining has moved further south and further south-east. The Division logged a path along the southern highwall (Photo 1 & 2: Map 1) using Esri Field Maps. This path is represented as a yellow line on Map 1. The Operator stated during the inspection that they have likely mined as south as they will mine. The Division estimates that approximately 5.83 acres have been disturbed in the pit at this time. A few product stockpiles of various sizes were observed onsite (Photos 1-4: Map 1). Equipment on-site included a grizzly screener, portable screener, portable crusher, loader, and multiple conveyors (Photos 5: Map 1). The Operator stated that their operation is closed to public customers for the season, but product may be transported and used for the Operator's personal projects.

The Operator mentioned during the previous 2019 inspection that moving south is proving to be problematic, as the material is of decreasing quality. This was again reiterated during the 2023 inspection. During the 2016 inspection, the Operator was instructed to correct the highwalls along the west and east [side] slopes, which are not approved in the current mining plan or reclamation plans. The current plan states that mining will be done at a 3H:1V slope along the side slopes to better facilitate reclamation. The highwalls were present during the Division's previous 2019 inspection, but at that time the Operator stated that they planned to chase the

deposit to the east, and were given the choice to either convert the current 110c permit to a 112c permit, or to release unmined portions to the south in the current 110c permit and to amend the permit to encompass area to the east instead.

The Operator stated during the inspection that an amendment is still likely planned to continue the operation to the East. Because the highwalls have remained (Photo 6: Map 1), and no revision has been submitted, the Division has cited this as a problem above. The Operator has three options. The Operator may choose to:

1. Submit a Technical Revision that at minimum updates the mining and reclamation plans to account for and allow for the presence of highwalls throughout the site.
2. Submit an amendment or conversion to change the permit boundaries to allow for mining to continue to the east, and in doing so, update the plans to include highwalls.
3. Immediately backfill and grade the highwalls to a 3H:1V slope.

The Operator shall commit to one of the above options, and submit evidence to the Division that it has been complied with by the corrective action date.

Contrary to the approved mining plan and mining plan map, mining at this site actually began at the north boundary, and has progressed southward (Photo 3: Map 1). This is not being cited as a problem, as the Operator does not plan to mine any further south. If the Operator decides to submit an amendment revision, mining plans will be updated through that process.

Right of Entry:

The Operators are the landowners of the property and the adjacent property. Thus, they maintain legal right of entry at this time.

Reclamation Success and Revegetation:

The north, northeast, and the majority of the western slopes have been backfilled and graded to a 3H:1V slope. The north, northeast, and northwest slopes have also been top soiled and seeded (Photos 6 & 7: Map 1). These slopes have vegetation established on them, with a variety of grasses and native plants (Figure 1). The Operator stated that they have had some erosion occur on various areas on these slopes, due to heavy rainfall, but have since repaired these areas. Overall, the revegetation on the reclaimed slopes is looking good and the slopes appear stable.

Current reclaimed slopes encompass approximately 1.5-2 acres. The post-mining land use for the site is industrial/commercial, where the pit floor will be reclaimed to an equipment storage area. According to the approved reclamation plan, the pit floor will not be re-vegetated.

Sediment Control:

As stated in the Hydrologic Balance section, any surface water run-off is contained within the pit. Some erosion was noted on a portion of the western slope (see Photo 8: Map 1). However, the rilling is minor, and there is some vegetation that has volunteered in the area, stabilizing the slope at this time. The Division advises the Operator to monitor this area, and to grade this slope if the erosion worsens. The Operator stated during the inspection that they will likely grade, topsoil, and revegetate this area soon.

Signs and Markers:

A permit sign was posted in compliance with Rule 3.1.12(1) (Photo 9: Map 1). Boundary markers were located during the 2019 inspection, and the north-west and entrance markers were re-verified during the 2023 inspection. The Division observed a fence surrounding the pit that serves as a boundary. The site is marked in compliance with 3.1.12(2).

Topsoil:

A large topsoil pile is located above the southwest corner of the pit (Photo 10: Map 1). This pile is vegetated with volunteer vegetation, and appears to be stable at this time. Additional smaller topsoil piles are located above the south portion of the west highwall as well, to help easily facilitate reclamation in this area. These piles also appear stable at this time.

Conclusion:

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

Inspection Contact Address

Paul Morgan
Paul Morgan Excavating, Inc.
256 N Merrill Drive
Pueblo West, CO 81007

Enclosure: 2023 Reclamation Cost Estimate

CC: Mike Morgan

GENERAL INSPECTION TOPICS

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

(AR) RECORDS----- <u>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- PB	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

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

PHOTOGRAPHS



Photo 1: Looking west from the pit entrance road, across the south highwall.



Photo 2: Looking south at the south highwall. The access road to the pit and east highwall are in the left portion of the photo.



Photo 3: Looking east at a product stockpile.



Photo 4: Looking west at stockpiled material.



Photo 5: Standing at the northeast corner of the permit, looking southwest across the pit.

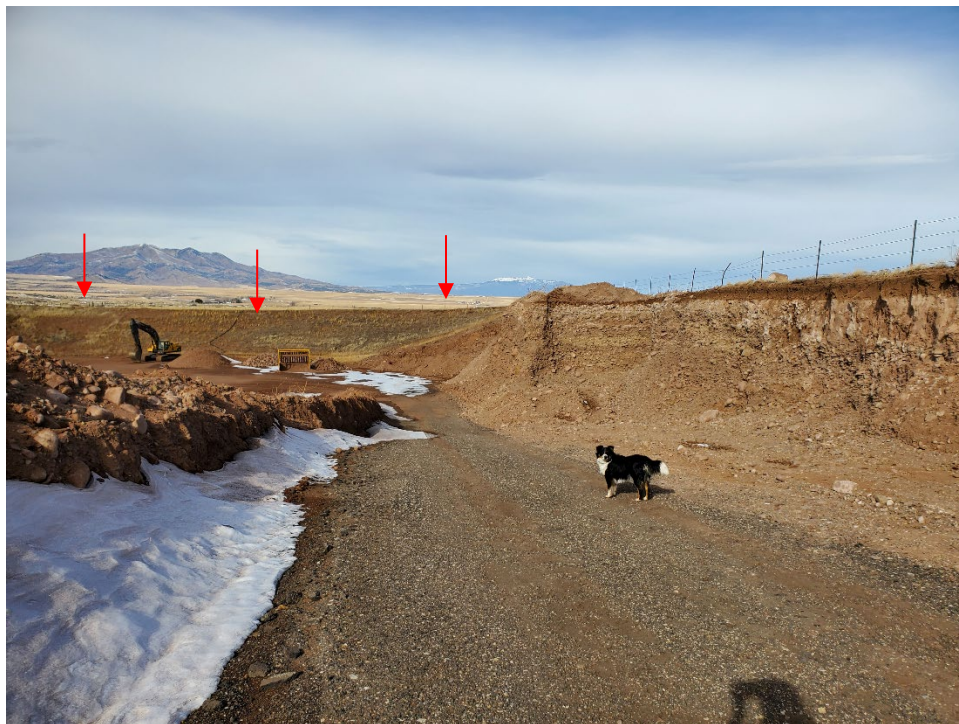


Photo 6: Looking north along the east highwall. The arrow points to the reclaimed northern slopes.



Photo 7: Looking east along a reclaimed northern slope. The white marker indicates the northeast corner of the permit boundary. The fence line in the photo lines the eastern perimeter.



Photo 8: Looking west at some slight erosion on the western pit slopes. The fence lines the western permit perimeter.



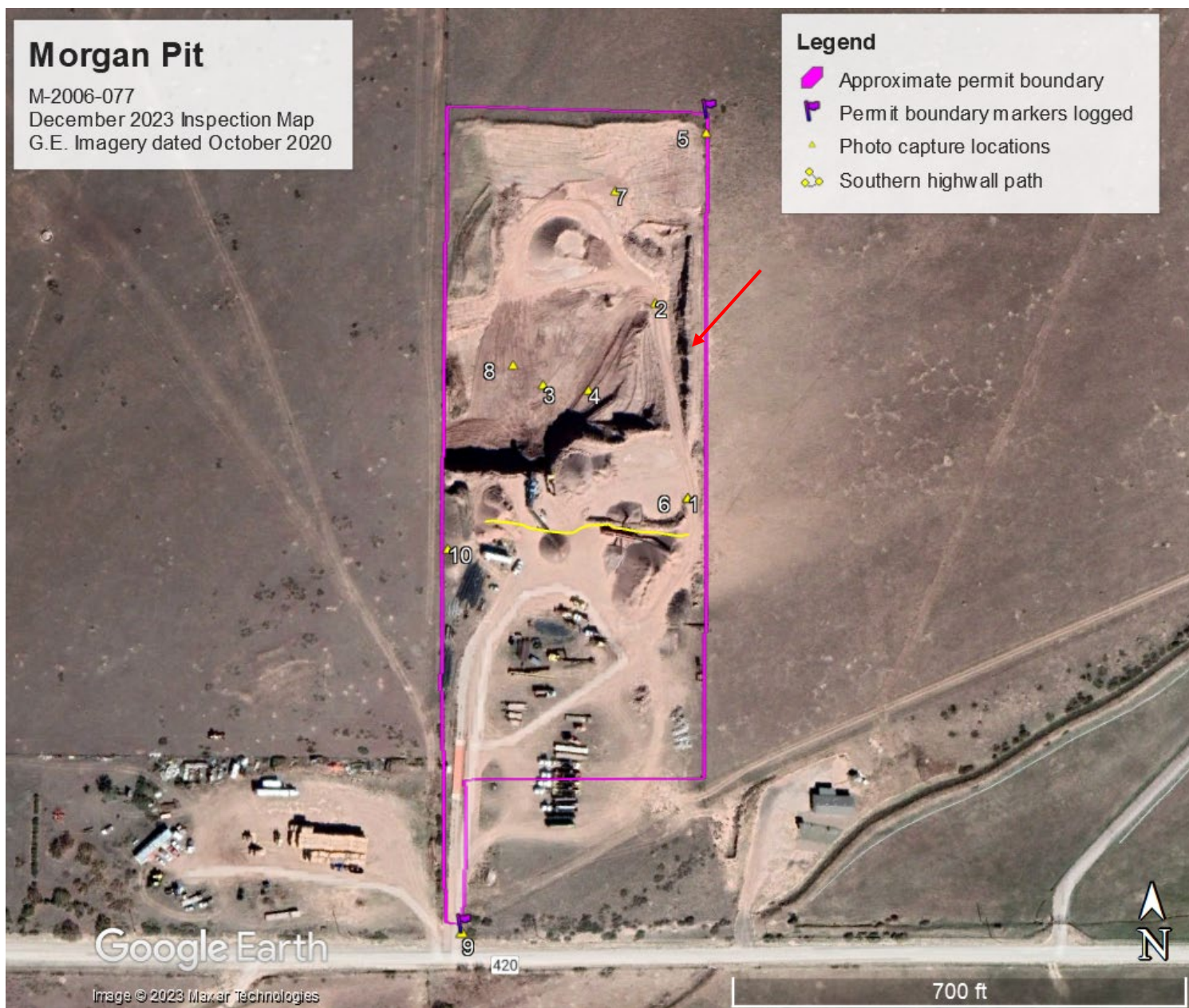
Photo 9: Mine sign posted at the entrance to the permit boundary.



Photo 10: Looking north along the vegetated topsoil pile located to the south of the southern pit boundary.



Figure 1: The six photos highlight some of the variety of grasses and native plants located on the reclaimed northern slopes.



Map 1: Inspection map generated for the December 12, 2023 inspection. The most recent Google imagery is dated October 2020. Since the aerial image was taken, mining has progressed further south (yellow line) and south-east. The arrow points to the eastern highwall that needs to be addressed.

COST SUMMARY WORK

Task description: Reclamation Cost Summary for the Morgan Pit

Site: Morgan Pit

Permit Action: 2023 Inspection

Permit/Job#: M2006077

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 12/21/2023

County: Huerfano

Filename: M077-000

User: AMG

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Cut-Fill South pit wall from 1:1 to 3H:1V	DOZER	1	3.06	\$790
002	Push-up-Fill, East pit wall from 1:1 to 3H:1V	DOZER	1	3.71	\$959
003	Spread Topsoil 6-in Over 2 Acres	DOZER	1	4.72	\$1,213
004	Re-vegetate 2 Acres	REVEGE	1	2.00	\$2,508
005	Mob/Demob	MOBILIZE	1	3.16	\$2,403
<u>SUBTOTALS:</u>				16.65	\$7,873

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$159

Performance bond: 1.05

Total = \$83

Job superintendent: 8.33

Total = \$542

Profit: 10.00

Total = \$787

TOTAL O & P = \$1,571

CONTRACT AMOUNT (direct + O & P) = \$9,444

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$401

Reclamation management and/or administration: 5.00

\$472

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$2,444

TOTAL BOND AMOUNT (direct + indirect) = \$10,317

BULLDOZER WORKTask description: Cut-Fill South pit wall from 1:1 to 3H:1VSite: Morgan PitPermit Action: 2023 InspectionPermit/Job#: M2006077PROJECT IDENTIFICATIONTask #: 001State: ColoradoAbbreviation: NoneDate: 12/21/2023County: HuerfanoFilename: 1User: AMGAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D7R DS XR Series IIHorsepower: 240Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$9.06	NA
Ripper op. Cost/Hour:	\$1.26	25
Operator Cost/Hour:	\$41.30	NA
Total unit Cost/Hour:	\$258.36	
Total Fleet Cost/Hour:	\$258.36	

MATERIAL QUANTITIESInitial Volume: 1,363Swell factor: 1.124Loose volume: **1,531** LCYSource of estimated volume: 20' x 349' S HW (2023 insp)Source of estimated swell
factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly
production: 1,022.9 LCY/hrMaterials consistency
description: Compacted fill or embankment 0.9Average push
gradient: -10 %Average site altitude: 7,200 feetMaterial weight: 2,900 lbs/LCY

Weight description: Sand and gravel - DryJob Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4898Adjusted unit
production: 501.02 LCY/hrAdjusted fleet
production: **501.02** LCY/hr**JOB TIME AND COST**Fleet size: 1 Dozer(s)
Unit cost: \$0.516/LCYTotal job time: **3.06** Hours
Total job cost: **\$790**

BULLDOZER WORKTask description: Push-up-Fill, East pit wall from 1:1 to 3H:1VSite: Morgan PitPermit Action: 2023 InspectionPermit/Job#: M2006077PROJECT IDENTIFICATIONTask #: 002State: ColoradoAbbreviation: NoneDate: 12/21/2023County: HuerfanoFilename: M077-002User: AMGAgency or organization name: DRMSHOURLY EQUIPMENT COSTBasic Machine: Cat D7R DS XR Series IIHorsepower: 240Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$9.06	NA
Ripper op. Cost/Hour:	\$1.26	25
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$258.36Total Fleet Cost/Hour: \$258.36MATERIAL QUANTITIESInitial Volume: 1,656Swell factor: 1.124Loose volume: 1,861 LCYSource of estimated volume: Avg 10' (because of the ramped rd) x 447' E HW
(2023 insp)Source of estimated swell
factor: Cat HandbookHOURLY PRODUCTIONAverage push distance: 50 feetUnadjusted hourly
production: 1,022.9 LCY/hrMaterials consistency
description: Compacted fill or embankment 0.9Average push
gradient: -10 %Average site altitude: 7,200 feetMaterial weight: 2,900 lbs/LCY

Weight description: Sand and gravel - Dry

Job Condition Correction Factor

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4898

Adjusted unit
production: 501.02 LCY/hr

Adjusted fleet
production: **501.02** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.516/LCY

Total job time: **3.71** Hours
Total job cost: **\$959**

BULLDOZER WORKTask description: **Spread Topsoil 6-in Over 2 Acres**Site: **Morgan Pit**Permit Action: 2023 InspectionPermit/Job#: M2006077**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 12/21/2023County: HuerfanoFilename: M077-003User: AMGAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS XR Series IIHorsepower: 240Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$114.76	NA
Operating Cost/Hour:	\$91.98	100
Ripper own. Cost/Hour:	\$9.06	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$257.10Total Fleet Cost/Hour: **\$257.10****MATERIAL QUANTITIES**Initial Volume: 1,613Swell factor: 1.115Loose volume: **1,798 LCY**Source of estimated volume: Rec plan minus already completed reclamationSource of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 150 feetUnadjusted hourly
production: 518.9 LCY/hrMaterials consistency
description: Partly consolidated stockpile 1.1Average push
gradient: -10 %Average site altitude: 7,200 feetMaterial weight: 2,100 lbs/LCY

Weight description: Earth - LoamJob 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:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7348Adjusted unit
production: 381.29 LCY/hrAdjusted fleet
production: **381.29** LCY/hr**JOB TIME AND COST**Fleet size: 1 Dozer(s)
Unit cost: \$0.674/LCYTotal job time: **4.72** Hours
Total job cost: **\$1,213**

REVEGETATION WORKTask description: **Re-vegetate 2 Acres**Site: **Morgan Pit**Permit Action: 2023 InspectionPermit/Job#: M2006077**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 12/21/2023County: HuerfanoFilename: M077-004User: AMGAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	120.00	pound	\$0.62	\$74.80
Triple superphosphate, 0-46-0	80.00	pound	\$0.89	\$71.20
			Total Fertilizer Materials Cost/Acre	\$146.00

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$41.82
Total Fertilizer Application Cost/Acre	\$41.82

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Big Bluestem - Kaw	2.20	6.57	\$29.37
Indian Ricegrass - Nespar	0.40	1.29	\$3.55
Prairie Clover, Purple - Kaneb	0.10	0.68	\$5.65
Little Bluestem - Pastura	1.10	6.57	\$14.83
Sideoats Grama - Vaughn	1.80	5.91	\$15.08
Needle and Thread	1.10	2.90	\$46.04
Western Wheatgrass - Rosanna	4.80	12.12	\$27.60
Totals Seed Mix	11.50	36.04	\$142.11

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00
Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$429.79	\$429.79
Total Mulch Materials Cost/Acre				\$429.79

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Total Mulch Application Cost/Acre	\$74.46

JOB TIME AND COST

No. of Acres:	2	Cost /Acre:	\$1,179.00
Estimated Failure Rate:	20%	Cost /Acre*:	\$374.11
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$2,358.00
Reseeding Job Cost:	\$149.64
Total Job Cost:	\$2,508
Job Hours:	2.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Morgan Pit**Permit Action: **2023 Inspection**Permit/Job#: **M2006077****PROJECT IDENTIFICATION**Task #: **005**State: **Colorado**Abbreviation: **None**Date: **12/21/2023**County: **Huerfano**Filename: **M077-005**User: **AMG**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 D7R DS XR Series II	32.01	\$114.76	\$158.17	1	\$272.93	\$158.17	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	2	\$178.04	\$164.58	\$250.00

Subtotals: **\$450.97** **\$322.75** **\$500.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x2, 1/2 T.	\$87.62	1	\$87.62	\$87.62

Subtotals: **\$87.62** **\$87.62****EQUIPMENT HAUL DISTANCE and Time**Nearest Major City or Town within project area region: **WALSENBURG**Total one-way travel distance: **16.00** milesAverage Travel Speed: **55.00** mph

Total Non-Roadable Mob/Demob Cost *	\$2,352.10
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$50.98
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.29	0.29
Return Time (Hours):	0.29	0.29
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.58	0.58

JOB TIME AND COSTTotal job time: 3.16 HoursTotal job cost: \$2,403