




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: Cedar Point	MINE/PROSPECTING ID#: M-1994-108	MINERAL: Sand and gravel	COUNTY: Montezuma
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: June 12, 2024	INSP. TIME: 09:00
OPERATOR: Noland Inc	OPERATOR REPRESENTATIVE: Rick Noland	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$163,029.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Todd Jesse	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 11, 2024	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(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>N</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- <u>Y</u>	(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>N</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

OBSERVATIONS

This inspection report was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining, and Safety's Active Mines Program. Cedar Point is a 112c Operation operated by Nolan, Inc. The site is located 3 miles west of Mancos, CO at an elevation of approximately 6,750 feet. Public access is controlled by a gate off the Hwy 160. Rick Nolan of Nolan Inc was present during the inspection.

Financial Warranty:

The Division currently holds a financial warranty in the amount of \$163,029 The last bond calculation was done in 2014. In an effort to ensure the financial warranty remains adequate to reclaim this site per the requirements of the approved reclamation plan, DRMS has updated the Reclamation Cost Estimate. The updated estimate is attached to this inspection report. Calculations estimate that the financial warranty currently held by the Division is sufficient to cover the cost of reclamation.

Hydrologic Balance:

Tailwaters from irrigation practices on the adjoining property are flowing into the permit area. Water was observed entering the permit area along the eastern boundary (Photo 1). The operator has directed the tailwater into a channel which moved the water into an infiltration pond (Photo 2). The water then flows to a seep on the western side of the permit. No groundwater has been exposed through the mining process.

At the time of inspection, no hydrocarbons were being stored on site and there was no evidence of past hydrocarbon spills. There is an empty fuel tank on site that is within secondary containment (Photo 3). All stormwater is contained within the pit. The operator has berms to control water along the western portions of the site.

Gen. Compliance With Mine Plan:

The mine site was not active at the time of the inspection. The operator is currently grazing cattle on reclaimed areas within the permit boundary. The southern area of the permit area has been mined and reclaimed. The central portion of the permit area is where the current mining area is when active. Multiple stockpiles are located in the mining area. The northern portions of the permit area are undisturbed with the exception of a small historic pre-law disturbance.

Reclamation Success:

The operator has reclaimed roughly 20 acres within the permit boundary. Reclaimed land is located in the southern portion of the permit area near the entrance off Hwy 160. The area has been graded to final grade with topsoil spread. Revegetation efforts appear successful for the post mine land use of pastureland (Photo 4)

Revegetation:

No state listed invasive species were identified within the permit boundary during the inspection. The revegetated species are principally grass with sparse sage.

Support Facilities On-site:

On-site support facilities include an office and scale (Photo 5). Vegetation has begun to grow around the facilities. No signs of displacement or erosion were noted around the base of any of the structures.

Signs and Markers:

The mine identification sign and affected area boundary markers are in place and in compliance with Rule

3.1.12. The permit boundary is marked with posts or fence lines that are easily identifiable. The mine ID sign is posted at the entrance to the site in accordance with the Rules (Photo 6).

Topsoil:

Topsoil is being stored in multiple stockpiles in the permit boundary. The stockpiles are protected by vegetation. No signs of erosion or slumping were observed on the topsoil piles. There appears to be sufficient topsoil to complete reclamation.

All responses to this report should be directed to Todd Jesse with the Division's Active Mines Program at DRMS, Room 215, 1001 E. 62nd Ave. Denver, CO 80216. Direct contact can be made at the Division's Grand Junction Field Office, by phone at (720) 688-0626 or by email at todd.jesse@state.co.us.

PHOTOGRAPHS



Photo 1: View to the east of tailwater entering the mine site.



Photo 2: View to the north of infiltration pond to manage tailwater.



Photo 3: View to the south of empty fuel storage within secondary containment.



Photo 4: View to the north of revegetated area along haul road.



Photo 5: View to the southwest of scale and office on site.



Photo 6: View to the west of Mine ID sign at the entrance to the site.

Inspection Contact Address

Rick Noland
Noland Inc
P.O. Box 23
Mancos, CO 81328

Enclosure: Reclamation Cost Estimate

CC: Travis Marshall, DRMS

COST SUMMARY WORK

Task description: _____

Site: Cedar Point

Permit Action: 2024

Permit/Job#: M1994108

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 7/11/2024

County: Montezuma

Filename: M108-000

User: TJ1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Demolish and remove mine related structures	DEMOLISH	1	0.00	\$2,456
002	Highwall reduction from 0.5H:1V to 3H:1V	DOZER	1	2.94	\$228
003	Highwall reduction from 2H:1V to 3H:1V	DOZER	1	0.90	\$69
004	Rip and grade 53 acres pit floor area	DOZER	2	59.77	\$10,383
005	Topsoil replacement for 3H:1V slopes	DOZER	1	3.84	\$297
006	Topsoil replacement for 50 acres of pit floor	SCRAPER1	1	38.33	\$53,966
007	Revegetate 50 acres pit floor area	REVEGE	1	40.00	\$39,032
008	Revegetate 5 acres of 3H:1V slope areas	REVEGE	1	8.00	\$11,921
009	Haul reclamation equipment to and from job site	MOBILIZE	1	3.60	\$10,051
010	secondary mobilization	MOBILIZE	1	3.60	\$1,669
<u>SUBTOTALS:</u>				160.98	\$130,072

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,627

Performance bond: 1.05

Total = \$1,366

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$13,007

TOTAL O & P = \$17,000

CONTRACT AMOUNT (direct + O & P) = \$147,072

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$7,354

CONTINGENCY: 3.00

Total = \$3,902

TOTAL INDIRECT COST = \$28,756

TOTAL BOND AMOUNT (direct + indirect) = \$158,828

DEMOLITION WORK

Task description: Demolish and remove mine related structures

Site: Cedar Point

Permit Action: 2024

Permit/Job#: M1994108

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 7/11/2024

County: Montezuma

Filename: M108-001

User: TJ1

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 89.00 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Truck scales	2 x (12'L x 2'W x 2'H)	Demo. and on-site disposal in existing pit, 2.0 ft. x 3 ft. - Max. 10,000 ft. haul	24.00	LF	\$13.88	\$333.08
Scale house	10'L x 8'W x 8'H	Push demolished materials/rubble/debris into pit - Max. 100 ft. push	640.00	CY	\$1.92	\$1,226.88
Fuel tanks	1 fuel tank	Hauling only, per mile, 12-18 CY truck - 30 mph average speed	20.00	MI	\$10.14	\$202.83
scrap & misc. debris	10' x 10' x 3'	Push demolished materials/rubble/debris into pit - Max. 200 ft. push	300.00	CY	\$3.32	\$996.60

Job Hours: 0.00

Subtotal
(unadjusted): \$2,759.39

Total Cost
(adjusted for location): \$2,455.86

BULLDOZER WORKTask description: Highwall reduction from 0.5H:1V to 3H:1VSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-002User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: OBSOLETE- Cat D9T - 9UHorsepower: 405Blade Type: UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$10.00	NA
Operating Cost/Hour:	\$10.00	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: \$77.38Total Fleet Cost/Hour: \$77.38**MATERIAL QUANTITIES**Initial Volume: 2,533Swell factor: 1.124Loose volume: 2,846 LCYSource of estimated volume: See attached "Drawing 1"Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 2,222.9 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -10 %Average site altitude: 6,770 feetMaterial weight: 2,900 lbs/LCYWeight 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:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4354

Adjusted unit production: 967.85 LCY/hr

Adjusted fleet production: **967.85** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.080/LCY

Total job time: **2.94** Hours

Total job cost: **\$228**

BULLDOZER WORKTask description: **Highwall reduction from 2H:1V to 3H:1V**Site: **Cedar Point**Permit Action: **2024**Permit/Job#: **M1994108****PROJECT IDENTIFICATION**Task #: **003**State: **Colorado**Abbreviation: **None**Date: **7/11/2024**County: **Montezuma**Filename: **M108-003**User: **TJ1**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **OBSOLETE- Cat D9T - 9U**Horsepower: **405**Blade Type: **Universal**Attachment: **3-shank ripper**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$10.00	NA
Operating Cost/Hour:	\$10.00	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: **\$77.38**Total Fleet Cost/Hour: **\$77.38****MATERIAL QUANTITIES**Initial Volume: **771**Swell factor: **1.124**Loose volume: **866 LCY**Source of estimated volume: **See attached "Drawing 2"**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **50 feet**Unadjusted hourly production: **2,222.9 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **-10 %**Average site altitude: **6,770 feet**Material 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:	0.800	(FND-RF)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4354

Adjusted unit production: 967.85 LCY/hr

Adjusted fleet production: **967.85** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.080/LCY

Total job time: **0.90** Hours

Total job cost: **\$69**

BULLDOZER WORKTask description: **Rip and grade 53 acres pit floor area**Site: **Cedar Point**Permit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-004User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: OBSOLETE- Cat D9T - 9UHorsepower: 405Blade Type: UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$10.00	NA
Operating Cost/Hour:	\$10.00	100
Ripper own. Cost/Hour:	\$18.79	NA
Ripper op. Cost/Hour:	\$9.48	100
Operator Cost/Hour:	\$38.59	NA

Total unit Cost/Hour: \$86.86Total Fleet Cost/Hour: **\$173.71****MATERIAL QUANTITIES**Initial Volume: 64,130Swell factor: 1.060Loose volume: **67,978 LCY**Source of estimated volume: (53ac)(43560sf/ac)(0.75'D) / 27 = 85,506.67 cySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 75 feetUnadjusted hourly production: 1,600.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 6,770 feetMaterial weight: 2,900 lbs/LCYWeight 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:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3554

Adjusted unit production: 568.64 LCY/hr

Adjusted fleet production: **1137.28** LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)

Unit cost: \$0.153/LCY

Total job time: **59.77** Hours

Total job cost: **\$10,383**

BULLDOZER WORKTask description: Topsoil replacement for 3H:1V slopesSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 005State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-005User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: OBSOLETE- Cat D9T - 9UHorsepower: 405Blade Type: UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$10.00	NA
Operating Cost/Hour:	\$10.00	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: \$77.38Total Fleet Cost/Hour: \$77.38**MATERIAL QUANTITIES**Initial Volume: 4,033Swell factor: 1.000Loose volume: 4,033 LCYSource of estimated volume: (5ac)(43560sf/ac)(0.50'D) / 27 = 6050 cySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 75 feetUnadjusted hourly production: 1,600.0 LCY/hrMaterials consistency description: Partly consolidated stockpile 1.1Average push gradient: -15 %Average site altitude: 6,770 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packed**Job Condition Correction Factor**

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

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6567

Adjusted unit production: 1,050.72 LCY/hr

Adjusted fleet production: **1050.72** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.074/LCY

Total job time: **3.84** Hours

Total job cost: **\$297**

SCRAPER TEAM WORKTask description: Topsoil replacement for 50 acres of pit floorSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 006State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-006User: TJ1Agency or organization name: DRMS**HOURLY EQUIPMENT**COSTShift basis: 1 per day

Equipment Description	
-Scraper:	Cat 637G w/push-pull
-Dozer:	NA
Support Equipment -Load Area:	OBSOLETE- Cat D9T - 9U
-Dump Area:	OBSOLETE- Cat D9T - 9U
Road Maintenance -Motor Grader:	NA
-Water Truck:	NA

Cost Breakdown:**Scraper Work Team****Support Equipment****Maintenance Equipment**

	Scraper	Dozer	Load Area	Dump Area	Motor Grader	Water Truck
%Utilization-machine:	100	NA	50	50	NA	NA
Ownership cost/hour:	\$281.32	NA	\$10.00	\$10.00	NA	NA
Operating cost/hour:	\$319.35	NA	\$5.00	\$5.00	NA	NA
%Utilization-ripper:	NA	NA	0	0	NA	NA
Ripper own. cost/hour:	NA	NA	\$18.79	\$18.79	NA	NA
Ripper op. cost/hour:	NA	NA	\$0.00	\$0.00	NA	NA
Operator cost/hour:	\$30.90	NA	\$38.59	\$38.59	NA	NA
Unit Subtotals:	\$631.57	NA	\$72.38	\$72.38	NA	NA
Number of Units:	2	0	1	1	0	0
Group Subtotals:	Work: \$1,263.14		Support: \$144.76		Maint:	\$0.00

Total work team cost/hour: \$1,407.90**MATERIAL QUANTITIES**Initial volume: 40,333

CCY

Swell factor: 1.125Loose volume: 45,375

LCY

Source of estimated volume: (50ac)(43560sf/ac)(0.50'D) / 27 = 60,500 cySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION****Scraper Bowl (volume) Basis:**

Material weight:	<u>2,550 lbs/LCY</u>	Struck Volume:	<u>24.00</u>	LCY
Material description:	<u>Earth - Dry packed</u>	Heaped Volume:	<u>34.00</u>	LCY
Rated Payload:	<u>81,600 pounds</u>	Average Volume:	<u>29.00</u>	LCY
Payload Capacity:	<u>32.00 LCY</u>	Adjusted Capacity:	<u>29.00</u>	LCY

Cycle Time:Scraper Loading Time: 1.00 MinutesManeuver and Spread Time: 0.60 MinutesJob Condition Correction:

Site Altitude: 6770 feet

	Scraper	Push Dozer	Source
Altitude Adj:	1.000	NA	(CAT HB)
Job Efficiency:	0.830	NA	(CAT HB)
Net Correction:	0.830	NA	

Travel Time:Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	5.00	5.00	1867	0.45

Haul Time: 0.45 minutesReturn Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	0.00	5.00	5.00	2795	0.39

Return Time: 0.39 minutesTotal Scraper team cycle time: 2.44 minutesAdjusted for job conditions: 1,183.77 LCY/HourSelected Number of Scrapers: 2 Scraper(s)Adjusted single scraper team (unit) hourly production: 1,183.77 LCY/HourAdjusted multiple scraper team (fleet) hourly production: 1,183.77 LCY/HourUnadjusted unit production/hour: 1,426.23 LCY/Hour

Optimal Number of Scrapers per push dozer: _____

JOB TIME AND COSTFleet size: 1 Team(s)Total job time: 38.33 HoursUnit cost: \$1.189 /LCYTotal job cost: \$53,966

REVEGETATION WORKTask description: Revegetate 50 acres pit floor areaSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 007State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-007User: TJ1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.51	\$102.32
			Total Fertilizer Materials Cost/Acre	\$102.32

Application

Description	Cost /Acre
Truck whirlwind spreader (MEANS 32 01 90.13 0140)	\$17.86
Total Fertilizer Application Cost/Acre	\$17.86

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Orchardgrass - Paiute	1.00	12.40	\$4.59
Alfalfa - Ladak (inoculated)	2.00	9.64	\$7.95
Smooth Brome - Manchar	3.25	10.82	\$16.96
Tall Fescue - Fawn E.F.	2.00	10.42	\$4.68
Totals Seed Mix	8.25	43.28	\$34.18

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64

Total Seed Application Cost/Acre	\$236.64
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MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Total Mulch Materials Cost/Acre				\$36.14

Application

Description	Cost /Acre
Weed spray, truck, aquatic area, nox. [DMG]	\$79.77
Total Mulch Application Cost/Acre	\$79.77

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:	50	Cost /Acre:	\$624.52
Estimated Failure Rate:	25%	Cost /Acre*:	\$624.52
*Selected Replanting Work Items:	FERTILIZING,TILLING,SEEDING,MULCHING		

Initial Job Cost:	\$31,226.00
Reseeding Job Cost:	\$7,806.50
Total Job Cost:	\$39,032
Job Hours:	40.00

REVEGETATION WORKTask description: Revegetate 5 acres of 3H:1V slope areasSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 008State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-008User: TJ1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.51	\$102.32
			Total Fertilizer Materials Cost/Acre	\$102.32

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$43.12
Total Fertilizer Application Cost/Acre	\$43.12

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Crested Wheatgrass - Hy-Crest	2.50	11.48	\$12.62
Alfalfa - Ladak (inoculated)	2.00	9.64	\$7.95
Russian Wildrye - Vinal	2.00	8.03	\$14.46
Pubescent Wheatgrass - Luna	5.70	11.78	\$28.53
Totals Seed Mix	12.20	40.93	\$63.55

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64

Total Seed Application Cost/Acre	\$236.64
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MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$36.14	\$36.14
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$1,021.70

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Power mulcher (MEANS 32 91 13.16 0350)	\$157.25
Weed spray, truck, aquatic area, nox. [DMG]	\$79.77
Total Mulch Application Cost/Acre	\$322.39

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: 5 Cost /Acre: \$1,907.33
 Estimated Failure Rate: 25% Cost /Acre*: \$1,907.33
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MULCHING

Initial Job Cost: \$9,536.65
 Reseeding Job Cost: \$2,384.16
 Total Job Cost: \$11,921
 Job Hours: 8.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Haul reclamation equipment to and from job siteSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 009State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-009User: TJ1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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	\$500.00
Cat 637G w/push-pull	59.59	\$281.32	\$125.64	2	\$813.92	\$251.28	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00
Power Mulcher (Bowie LD-90)	6.00	\$27.21	\$59.44	2	\$173.30	\$118.88	\$500.00

Subtotals: **\$1,945.74** **\$740.32** **\$2,000.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77

Subtotals: **\$13.77** **\$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CORTEZ
 Total one-way travel distance: 18.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$10,040.33
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$11.02
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.40	0.40
Return Time (Hours):	0.40	0.40
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.80	0.80

JOB TIME AND COST

Total job time: 3.60 Hours

Total job cost: \$10,051

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: Secondary mobilizationSite: Cedar PointPermit Action: 2024Permit/Job#: M1994108**PROJECT IDENTIFICATION**Task #: 010State: ColoradoAbbreviation: NoneDate: 7/11/2024County: MontezumaFilename: M108-010User: TJ1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$500.00

Subtotals: **\$200.92** **\$118.88** **\$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, 4x4, 3/4 T.	\$13.77	1	\$13.77	\$13.77

Subtotals: **\$13.77** **\$13.77**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CORTEZ
 Total one-way travel distance: 18.00 miles
 Average Travel Speed: 45.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,657.68
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$11.02
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.40	0.40
Return Time (Hours):	0.40	0.40
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.80	0.80

JOB TIME AND COST

Total job time: 3.60 Hours

Total job cost: \$1,669