

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:	MINE/PROSPECTING ID#:	MINERAL:	COUNTY:
King Pit	M-1987-012	Sand and gravel	Alamosa
INSPECTION TYPE:	WEATHER: Clear	INSP. DATE:	INSP. TIME:
Monitoring		September 5, 2024	11:20am
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERA	TION:
Southwest Ready-Mix, Inc.	Paul Bottini	112c - Construction	Regular Operation
• · · · · · · · · · · · · · · · · · · ·		-	

REASON FOR INSPECTION:		BOND CALCULATION TYPE:	BOND AMOUNT:
Normal I&E Program		Complete	\$216,866
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA		None	None
INSPECTOR(S):	INSPE	CTOR'S SIGNATURE:	SIGNATURE DATE:
Chris Girardi	$\int O$	·	November 5, 2024
Jared Ebert	Ch	NS Wrardi	

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: Acid And Toxic Materials

PROBLEM: A fuel spill has occurred at the site which may have impacted soils, surface water or groundwater. **CORRECTIVE ACTIONS:** The operator shall immediately remediate the spill and submit a final report to the Division containing at least the following information:

1.) A description of how the spill was cleaned up containing at a minimum - the appropriate maps, volumes removed, and photo documentation.

2.) Evidence in the form of a receipt that the contaminated soil was disposed of by an approved method (such as sent to an approved landfill, land farming, recycling center, etc.).

CORRECTIVE ACTION DUE DATE: 12/1/24

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM: The highwalls in the North Pit Area exceed the maximum highwall length of 300 feet in the approved mining plan. 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 submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 12/1/24

INSPECTION TOPIC: Sediment Control

PROBLEM: Erosion gullies and ruts were observed in the South Pit Area. This is a problem at this time for failure to protect the affected land from erosion pursuant to C.R.S. 34-32.5-116(4)(j).

CORRECTIVE ACTIONS: The operator shall provide photo documentation to the Division verifying erosion gullies and ruts have been repaired, and that the site has have been reconstructed and stabilized to prevent erosion damage by the corrective action date.

CORRECTIVE ACTION DUE DATE: 2/3/2025

INSPECTION TOPIC: Signs & Markers

PROBLEM: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Section 3.1.12(1) of the rule. The Operator shall, at the entrance of the mine site post a sign, which shall be clearly visible from the access road, with a minimum size equaling one hundred and eighty-seven (187) square inches, such as eleven (11) inches in height and seventeen (17) inches in width, with appropriate font size, with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number.

CORRECTIVE ACTIONS: The Operator shall submit photo documentation that a proper sign has been posted as discussed above by the corrective action date.

CORRECTIVE ACTION DUE DATE: 12/1/24

OBSERVATIONS

The King Pit was inspected on September 5, 2024, by Chris Girardi and Jared Ebert with the Division of Reclamation, Mining, and Safety (DRMS) as part of the DRMS's routine monitoring inspection program. The site was last inspected on March 28, 2019. Paul Bottini represented Southwest Ready-Mix, Inc. (Operator) during the inspection. The weather was sunny and warm.

The King Pit is a 112c sand and gravel operation with a permitted area of 344.30 acres and an affected area of approximately 50 acres. The site is located approximately 22 miles northeast of Alamosa, CO. The current land use surrounding the site is rangeland and the approved post-mining land use is rangeland.

There was no mine sign present. This has been cited as a problem. In accordance with Rule 3.1.12, at the entrance of the mine site a clearly visible sign must be posted that displays the Operator and operation name, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board, and the permit number.

Permit boundary markers were observed s (see Photo 1) and appear to be in compliance.

General Compliance With Mine Plan:

The site is located adjacent to the west side of the Sangre De Cristo Mountains, causing the permit area to slope upward to the east. Surrounding the disturbed area is undulating topography and vegetation, including Indian ricegrass, Fourwing salt brush, and Russian thistle (see Photo 3). The only noxious weed observed was Russian thistle, which is an annual weed and not considered a problem at this time. The current disturbed area is approximately 60 acres, consisting of a North Pit Area and a South Pit Area. Large, vegetated topsoil berms (see Photo 1) were located to the west of the North and South Pit Areas and appeared to be stable with adequate vegetation cover. The DRMS observed several portable conveyers, a grizzly screener, a scale house, and a wheel dozer (see Photos 8-10). Stockpiles of processed material and reclamation material were observed at various locations in the pit floor (see Photo 10).

The North Pit Area was active at the time of the inspection. The pit contains a highwall with a length of over 2000 feet that is oriented from south to north and curls at the northern end to the west. The pit floor is approximately 40 feet deep, and the portion where the pit curls in the north (see Photo 15) is approximately twenty-five (25) feet deep. The Operator intends to continue to mine the highwall to the east. The approved mining plan stated the maximum vertical highwall will not exceed forty (40) feet in depth, and a maximum highwall length of three hundred (300) feet. In accordance with C.R.S. 34-32.5-112 (1)(c)(VI), the Operator needs to submit a Technical Revision (TR) to update the mining plan based on the current site activities.

The North Pit Area also contained an area for equipment, discarded materials, drums, and fuel tanks (see Photos 11-14). Within this area, the DRMS observed three empty drums that displayed evidence of leaked fuel oil (see Photos 11-13). This has been cited as a problem. The DRMS has requested that the Operator document how the spill(s) were cleaned up, including maps, volumes, photo documentation, as well as evidence in the form of a receipt that the contaminated soil was disposed of by an approved method.

According to the Operator, the South Pit Area has been inactive for several years due to disputes with the Bureau of Land Management (BLM). As a result of this inactivity, erosion of the pit slope is evident. Three large

gullies have formed perpendicular to the pit slope (see Photos 6-7) due to upland drainage from the east. The DRMS noted that these gullies will need repair and stabilization in accordance with Rule 3.1.6(3). The highwall slopes ranged from 3:1 to 4:1 (horizontal to vertical ratio). However, along the north side of the South Pit highwall, the toe of the highwall was closer to a 1:1 slope (see Photo 5). The Operator claims that the BLM will not allow them to do any earthwork at the site without charging them royalties and therefore they have not been able to repair the erosion. The Operator must work with the BLM to come to a resolution and repair and stabilize the erosion observed at the site.

Financial Warranty:

The Division currently holds a reclamation bond in the amount of \$216,866. for this operation. The Division has estimated the reclamation liability at the site, and found it to be \$300,109. This is an increase of \$83,243 from the bond currently held. The Operator will have 14 days (November 19, 2024), from the issuance of this report to submit any questions regarding the updated 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).

PERMIT #: M-1987-012 INSPECTOR'S INITIALS: CMG INSPECTION DATE: September 5, 2024

PHOTOGRAPHS



Photo 1: Topsoil berms along western portion of disturbed area.



Photo 2: Surrounding undisturbed area vegetation.

PERMIT #: M-1987-012 INSPECTOR'S INITIALS: CMG INSPECTION DATE: September 5, 2024



Photo 3: South Area Pit Highwall with 3:1 slopes, facing northeast



Photo 4: South Area Pit Highwall with 3:1 slopes, facing west.



Photo 5: South Pit Area Highwall with toe of highwall closer to 1:1 slope.



Photo 6: South Pit Area Highwall with erosion gully in the center, facing east.



Photo 7: South Pit Area Highwall with erosion gully, facing west.



Photo 8: On-site equipment.

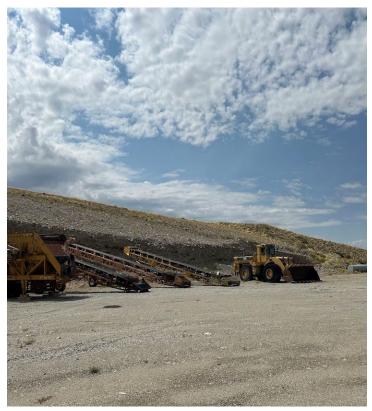


Photo 9: On-site equipment.



Photo 10: Reclamation material stockpiles, including topsoil and mulch.



Photo 11: Oil drum (#1) with evidence of leaking within the North Area Pit.



Photo 12: Oil drum (#2) with evidence of leaking within the North Area Pit.



Photo 13: Oil drum (#3) with evidence of leaking within the North Area Pit.



Photo 14: Empty fuel tank within the North Area Pit.

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Photo 15: The northern portion of the North Area Pit Highwall



Photo 16: North Area Pit Highwall, facing east.

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>Y</u>
(HB) HYDROLOGIC BALANCE <u>Y</u>	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>NA</u>
(PW) PROCESSING WASTE/TAILING <u>Y</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE <u>Y</u>	(RV) REVEGETATION <u>Y</u>
(SM) SIGNS AND MARKERS <u>PB</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 PB	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS PB	(OD) OFF-SITE DAMAGE <u>Y</u>	

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

Inspection Contact Address

Southwest Ready-Mix, Inc. Southway Construction Company, Inc. 117 White Pine Dr Alamosa, CO 81101

Enclosure

CC:

COST SUMMARY WORK

King Pit	:	Permit Action:	2024 Inspection	Permit/Job#:	M1987012
	IDENTIFICATION	-			
Task #:	000	State:	Colorado	Abbreviatio	on: None
Date:	10/17/2024	County:	Alamosa	Filename:	M012-00
User:	CMG				

TASK LIST (DIRECT COSTS)

Task		Form	Fleet	Task	
Task	Description	Used	Size	Hours	Cost
001	Reduce highwalls in North Pit Area	DOZER	1	17.45	\$5,901
002	South Pit Area - Reduce toe of HW at 1:1 and	SITEMAINT	1	8.00	\$2,573
	erosion gullies	ENANCE			
003	Rip pit floor prior to topsoil replacement	GRADER	1	48.37	\$7,616
004	Replace 6 inches of topsoil over affected area	SCRAPER1	2	23.19	\$81,225
005	Revegetate permit area	REVEGE	1	60.00	\$112,532
006	Mobilize reclamation equipment	MOBILIZE	1	6.96	\$20,528
	SUBTOTALS:			163.97	\$230,375

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$4,654
Performance bond:	1.05	Total =	\$2,419
Job superintendent:	81.99	Total =	\$6,499
Profit:	10.00	Total =	\$23,038
		TOTAL O & P =	\$36,609
	CONTRACT AMOUN	T (direct + O & P) =	\$266,984

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$500 7.22 5.00	Total = Total =	\$500 \$19,276 \$13,349
CONTINGENCY:	0.00	Total =	\$0
TOTAL INDIRECT COST =			\$69,734
TOTAL BOND AMOUNT (direct + indirect) =			\$300,109

BULLDOZER WORK

King Pit		Permit Action:	2024 In	spection	Permit/Job#:	M19870	12
							12
PROJECT IDE	<u>INTIFICA</u>	<u>LION</u>					
Task #:	001	State:	Colorado		Abbreviat		None
Date:	10/17/202	4 County:	Alamosa		Filename	:	M012-001
User:	CMG						
Agency or orga	anization na	ame: DRM	15				
HOURLY EQU	JIPMENT	<u>COST</u>					
Basic Machine	e: C	at D8T - 8SU					
Horsepower:	3	10					
Blade Type:	S	emi-Universal					
Attachment:	3-	-shank ripper					
Shift Basis:		per day					
Data Source:	_(0	CRG)					
Cost Breakdown	<u>ı</u> :		I	T.''.			
Oran analia Ca	-4/TT	\$173.32		Utilization %			
Ownership Co				NA			
Operating Cos Ripper own. C		\$109.71		100 NA	,		
Ripper own. C		<u>\$14.53</u> \$1.99		<u>104</u> 25			
** *							
Operator Cost/	Hour:	\$38.59		NA			
Total unit Cost	t/Hour:	\$338.13					
Total Fleet Co	st/Hour:	\$338.13					
MATERIAL Q	UANTITII	ΞS					
Initial Volume Swell factor:			-				
Loose volume:		00 43 LCY	-				
Loose volume.	/,2	43 LC I	-				
Source of estin	nated volun	ne: Division of l	Reclamation, I	Mining & Safety	ý		
Source of estin	nated swell						
HOURLY PRO	DUCTION	N					
	1.						
Average push		80 feet					
Unadjusted ho	urly produc	tion:984.2 LCY/hr					
Materials cons	istency des	cription: Compacte	d fill or emba	nkment 0.9			
Average push	gradient:	-15 %					
Average site al		7,800 feet					
Tronage site al	muut.	7,000 1001					
Material weigh	nt:	3,250 lbs/LCY					
Weight descrip	otion:	Gravel - Pitrun					
Job Condition C	orrection E	actor Source					
Operator Skill:		<u>actor</u> <u>Source</u> 0.750		(AVG.)			
Material consis		0.900		(CAT HB))		-	
material collsi.	stoney.	0.700					

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:	0.708	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.4217	
Adjusted unit production:	415.04 LCY/hr	
Adjusted fleet production:	415.04 LCY/hr	

JOB TIME AND COST

Fleet size:	1 Dozer(s)		
Unit cost:	\$0.815/LCY		
Total job time:	17 45 Hours		

Total job time: Total job cost:

\$0.813/LC1	
17.45 Hours	
\$5,901	

SITE MAINTENANCE

Task description: South Pit Area - Reduce toe of HW at 1:1 and erosion gullies							
Site:	King Pit	P	ermit Action:	2024 Inspection	Permit/Jo	b#:	M1987012
<u>PROJE</u>	CT IDENTIFICATION						
Task # Date: User:	: 002 10/31/2024 CMG	State: County:	Colorado Alamosa		Abbreviation: Tilename:	None M012	
Agency	y or organization name:		DRMS				

UNIT COSTS

Maintenance Item	Hours per Year	Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Reduce 1:1 HW toe and fix erosion gullies	8.00	Cat D8T - 8SU	8.00	EA	\$321.62	\$2,572.96

Job Hours: <u>8.00</u>

Total Cost: \$2,572.96

MOTOR GRADER WORK

King Pit	t	Perm	it Action:	2024 Inspectio	n Per	rmit/Job#:	M1987012
ROJECT	IDENTIFICA	<u>TION</u>					
Task #:	003	State:	Colorado		Abbrevia	ntion:	None
Date:	10/17/2024	County:	Alamosa		Filename		M012-003
User:	CMG						
Agency or	organization na	ame:	ORMS				
HOURLY I	EQUIPMENT	<u>COST</u>					
Basic Mac		CAT 12M		Horsepower:		158	
Ripper Att	tachment:	Multi-Shank	Ripper	Shift Basis:		1 per day	/
				Data Source:		(CRG)	
Cost Breakd	lown:			11	tilization 0/		
Ourorshir	o Cost/Hour:		\$69.16	N N	tilization %		
	Cost/Hour:		\$54.74		A 00		
	vnership Cost/H	our.	\$3.06	N N			
	erating Cost/Ho		\$2.73		00		
Operator C			\$27.76	N			
-	Cost/Hour:		\$157.45		1		
Total Fleet	t Cost/Hour:		\$157.45				
MATERIA	L QUANTITII	<u>ES</u>					
Total Area	to be graded of	r ripped:	60.00				acres
Source of	estimated acrea	ge:	Total period	ermit acreage mi	nus area loose	ned by hig	hwall
HOURLY I	PRODUCTION	<u>N</u>					
	Grader Speed:		1.50		mph		
	application:			ing (0-3 mph) - 1			
	Blade Angle:		-1		degrees		
	Blade Length:		0.00		feet		
	olade overlap pe		2.00		feet		
0	ng or ripping wi	1 1	7.58	2	feet		
Unadjustee	d Hourly Unit P	roduction:	1.378	32	acres/ho	our	
ob Conditio	on Correction F	actors Site Alt	tude: <u>7800</u> feet				
Altituda A	4.	1.00	Source				
Altitude A		1.00	(CAT HB)				
Job Efficie		0.90	(1sh/d, fav.)				
Net Correc	cuon: (0.9000	multiplier				

Adjusted Hourly Unit Production:1.2404acres/HourAdjusted Hourly Fleet Production:1.2404acres/Hour

JOB TIME AND COST

Fleet size:	1	Grader(s)	Total job time:	48.37	Hours
Unit cost:	\$126.94	per acre	Total job cost:	\$7,616	_

SCRAPER TEAMWORK

	Task description:	Replace 6	Replace 6 inches of topsoil over affected area						
Site:	King Pit	I	Permit Ac	tion:	2024 Inspect	ion Pe	ermit/Job#:	M1	987012
<u>F</u>	PROJECT IDENTI	FICATION							
	Task #: 004	State	: (Colorado)	Abbrevi	ation:	None	
	Date: $10/31/$			Alamosa		Filenam	-	M012-	004
	User: CMG								
	Agency or organiza	tion name:	DRM	IS					
Ī	HOURLY EQUIPM	<u>ENT</u> CO	ST Shift	basis: <u>1</u>	<u>per day</u>				
	Equipment I	Description							
_	-Scraper:	•		Cat 63					
_	-Dozer:				8T – 8SU				
	Support Equipment	-Load Area:		NA					
-	-Dump Area:	M + C 1		NA CAT 1	2) (
	Road Maintenance - -Water Truck:	-wotor Grader:		CAT 1 Water	^{2M} Tanker, 3,500 Ga	1			
_	- water Truck.			vv ater	1 allKel, 3,300 Ga	41.			
<u>(</u>	Cost Breakdown:	Scraper Wo Scraper	rk Team Dozer	Su	port Equipment Load Area	Mainten Dump Area	ance Equip		Water Truc
		_	Dozei			-		Grader	
%Utilizati	on-machine:	100	50		NA	NA	25		25
Ownership	o cost/hour:	\$329.66	\$173.32	2	NA	NA	\$69.16		\$17.11
Operating	cost/hour:	\$347.48	\$54.86		NA	NA	\$13.69		\$9.20
%Utilizati	on-ripper:	NA	NA		NA	NA	NA		NA
Ripper ow	n. Cost/hour:	NA	\$0.00		NA	NA	\$0.00		\$0.00
Ripper op.	. cost/hour:	NA	\$0.00		NA	NA	\$0.00		\$0.00
Operator c	cost/hour:	\$30.90	\$38.59		NA	NA	\$27.76		\$0.00
Unit Subto	otals:	\$708.04	\$266.76	5	NA	NA	\$110.6	1	\$26.31
Number of	f Units:	4	2		0	0	1		1
Group Sub	ototals:	Work:	\$3,365.	68	Support:	\$0.00	Maint:		\$136.92
	Fotal work team cost/	/hour: \$3,502.60							
N	MATERIAL QUAN	<u>TITIES</u>							
	Initial volume:	50,000		CCY	Swell factor:	1.215			
	Loose volume:	60,750		LCY					
	Source of estimated		_		n of Reclamation	, Mining & Saf	ety		
	Source of estimated	swell factor:	_	Cat Har	ndbook				
H	HOURLY PRODUC	<u>CTION</u>							
	Scraper Bow	vl (volume) Basis:							
Ν	faterial weight:	1,600 lbs/LCY			Struck Vol	ume: 24.	00	I	.CY
	faterial description:	Topsoil			Heaped Vo				.CY
	ated Payload:	81,600 pounds			Average V				.CY

Payload Capacity:	51.00 LCY	
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Cycle Time:

Scraper Loading Time:	<u>0.80</u> Minutes
Maneuver and Spread Time:	<u>0.60</u> Minutes

Job Condition Correction: Site Altitude: 7800 feet

	Scraper	Push Dozer	Source
Altitude Adj:	0.980	1.000	(CAT HB)
Job Efficiency:	0.830	0.830	(CAT HB)
Net Correction:	0.813	0.830	

Travel Time:

Road Condition: Firm, smooth, rolling, dirt/lt. surfaced, watered, maintained 3.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	600.00	3.00	3.00	6.00	1477	0.46

Haul Time:

minutes

0.46

Return Route:

Seg #	Haul Distance (Ft)	Grade	Roll. Res	Total Res	Velocity	Travel Time
		(%)	(%)	(%)	(fpm)	(min)
1	600.00	-3.00	3.00	0.00	2965	0.30

		0.30	minutes		
Adjusted fo Selected Nu Adjusted sin	er team cycle tir r job conditions umber of Scrape ngle scraper tear ultiple scraper to	2.16 654.92 2 1,309.83 2,619.67	minutes LCY/Hour Scraper(s) LCY/Hour LCY/Hour		
0	nit production/h ber of Scrapers		805.56 LCY/Hour		
JOB TIME AN	ND COST				
Fleet size:	2	Team(s)	Total job time:	23.19	Hours
Unit cost:	\$1.337	/LCY	Total job cost:	\$81,225	

REVEGETATION WORK

	King Pit		Permi	t Action:	2024 Inspection	Permit/Job#:	M1987012
PF	<u>ROJECT I</u>	DENTIFICAT	<u>FION</u>				
	Гask #:	005	State:	Colorado		Abbreviation:	None
]	1 ask #.						
	Date:	10/31/2024	County:	Alamosa		Filename:	M012-005

FERTILIZING

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	120.00	pound	\$0.64	\$77.04
Triple superphosphate, 0-46-0	90.00	pound	\$0.92	\$82.50
			Total Fertilizer	
			Materials	
			Cost/Acre	\$159.54

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
Indian Ricegrass - Native	3.00	9.71	\$51.88
Bottlebrush Squirreltail	0.50	2.20	\$12.70
Burnett, Small (or Little) - Delar	2.00	2.53	\$8.91
Galleta	3.00	10.95	\$166.31
Daisy or Sunflower, Maximillians	1.00	5.67	\$56.83
Saltbush, Four Wing	0.50	0.69	\$9.94
Globemallow, Scarlet (or copper)	0.50	5.66	\$92.78
Saltbush, Shadscale	0.50	0.75	\$9.04
Winter Fat	0.50	1.27	\$23.36
Sulphur Flower (or Buckwheat)	2.00	4.13	\$362.58
Rabbitbrush, Douglas	0.50	7.46	\$20.49

Totals Seed Mix	14.00	51.02	\$814.83

Application

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

MULCHING and MISCELLANEOUS

Materials

	Units /			
Description	Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	BALE	\$19.71	\$19.71
Total Mulch Materials Cost/Acre				\$19.71

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37
Weed spray, truck, non-aquatic area, nox. [DMG]	\$83.26
Total Mulch Application Cost/Acre	\$168.64

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres:	60	Cost /Acre:	\$1,560.09
Estimated Failure Rate:	30%	Cost /Acre*:	\$1,051.47
*Selected Replanting Work Items:	SEEDING		

Initial Job Cost:	\$93,605.40
Reseeding Job Cost:	\$18,926.46
Total Job Cost:	\$112,532
Job Hours:	60.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task desci		otion: Me	obilize reclan	nation equip	ment		
ite:	King Pit		Permit	Action:	2024 Inspection	Permit/Job#:	M1987012
F	<u>PROJECT I</u>	DENTIFICATIO	<u>N</u>				
	Task #:	006	State:	Colorado		Abbreviation:	None
	Date:	10/31/2024	County:	Alamosa		Filename:	M012-006
	User:	CMG	_				
Ŀ	CEDELEP VEEN	TTRANSPORT					
<u>1</u>	Shift bas	<u>T TRANSPORT</u> is:	<u>MU CUSI</u>			1 r	ber dav
Ī		is:	<u>MU COST</u>				ber day RG Data
Ī	Shift bas Cost Data	is:	GI	ENERIC ON- 0 HP (2ND F		CF	

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	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
	(TONS)				fleet		
Cat D8T - 8SU	53.08	\$187.85	\$125.64	2	\$626.98	\$251.28	\$250.00
Cat 637G	57.28	\$329.66	\$125.64	4	\$1,821.20	\$502.56	\$250.00
Drill/Broadcast	25.00	\$41.02	\$59.44	2	\$200.92	\$118.88	\$250.00
Seeder with							
Tractor							
CAT 12M	16.01	\$69.16	\$59.44	1	\$128.60	\$59.44	\$250.00

Subtotals:

\$2,777.70 \$932.16

\$1,000.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/	Fleet Size	Haul Trip	Return Trip
-	unit		Cost/hr/ fleet	Cost/hr/ fleet
Water Tanker, 3,500 Gal.	\$53.90	1	\$53.90	\$53.90
Generic 7-8 cy, 4x2	\$74.39	1	\$74.39	\$74.39
Lube Truck, 4x2, 190 HP	\$41.41	1	\$41.41	\$41.41
	· · ·		· ·	
	S	ubtotals:	\$169.70	\$169.70
QUIPMENT HAUL DISTA	NCE and Time			
QUIPMENT HAUL DISTA Nearest Major City or Town Total one-way travel distand Average Travel Speed:	n within project area re	egion:	ALAMOSA 12.00 50.00	mile
Nearest Major City or Towr Total one-way travel distanc	n within project area re ce: Demob Cost *	egion:	12.00	

** one round trip, no haul rig:

Transportation Cycle Time:

Non-	
Roadable	Roadable
Equipment	Equipment
0.24	0.24
0.24	0.24
1.50	NA
1.50	NA
3.48	0.48
	Roadable Equipment 0.24 0.24 1.50 1.50

JOB TIME AND COST

Total job time:	6.96	Hours
Total job cost:	\$20,528	