# STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY Department of Natural Resources

1313 Sherman St., Room 215 Denver, Colorado 80203 Phone: (303) 866-3567 FAX: (303) 832-8106

May 7, 2013

Glen Williams Cotter Corporation, N.S.L. P.O. Box 700 Nucla, CO 81424



John W. Hickenlooper Governor

Mike King Executive Director

Loretta Piñeda Director

#### RE: CM-25 Mine, Permit No. M-1977-307, Amendment Approval, Revision No. AM-1

Dear Mr. Williams:

On May 6, 2013 the Division of Reclamation, Mining and Safety (Division) approved the Amendment application (AM-1) submitted on September 28, 2012, addressing the following:

Update permit to meet requirements for 110d operations.

The terms of AM-1 approved by the Division are hereby incorporated into Permit No. M-1977-307. All other conditions and requirements of the permit remain in full force and effect.

The Division has estimated the reclamation costs based on the operation proposed through AM-1 and determined that the Financial Warranty shall be set at \$29,405.00. According to Division records, the Department of Energy (DOE) currently holds a Financial Warranty of \$4,000.00 and the Division holds a Financial Warranty of \$100.00 for this site. Please submit additional bond in the amount of \$25,305.00. The revision will not be final until the bond is approved by the Division.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria.

If you require additional information, have questions or concerns, please contact me at the DRMS Grand Junction Field Office.

Sincerely, **Dustin** Czapla

Environmental Protection Specialist Department of Natural Resources Division of Reclamation, Mining and Safety 101 South 3<sup>rd</sup>, Suite 301 Grand Junction, CO 81501 Phone: (970) 243-6299 Fax: (970) 241-1516

Cc: Ed Cotter, DOE Jennifer Thurston, INFORM

#### COST SUMMARY WORK

Site:	CM-25 M	line		P	ermit Action: A	M1	Permit	/Job#: <u>M1977307</u>
Ē	PROJECT	<u>IDENTIFICATI</u>	ON					
	Task #: Date: User:	000 5/6/2013 DMC	State: County:	Colorado Montrose			Abbreviation: Filename:	
	Ag	ency or organization	name: DF	RMS				
ſ	ASK LIS	T (DIRECT COS	(PT)					
			10)					
					Form	Fleet	Task	<u> </u>
Task	Descrip				Form Used	Fleet Size	Task Hours	Cost
	Descrip							<b>Cost</b> \$2,963.83
01a	Descrip Demolit	tion			Used		Hours	
01a 02a	Descrip Demolit Seal por	<b>tion</b> ion/removal of onsite	e structures		Used DEMOLISH		Hours 8.00	\$2,963.83
01a 02a 03a	Descrip Demolit Seal por Reconto	<b>tion</b> ion/removal of onsite tals and vent holes	e structures		Used DEMOLISH MINESEAL		Hours 8.00 16.00	\$2,963.83 \$13,400.52
01a 02a 03a 04a	Descrip Demolit Seal por Reconto	tion ion/removal of onsite tals and vent holes ur mine waste dump ines over waste dum	e structures		Used DEMOLISH MINESEAL DOZER		Hours           8.00           16.00           8.59	\$2,963.83 \$13,400.52 \$1,189.04
<b>Task</b> 01a 02a 03a 04a 05a 06a	Descrip Demolit Seal por Reconto Spread f Reveget	tion ion/removal of onsite tals and vent holes ur mine waste dump ines over waste dum	e structures		Used DEMOLISH MINESEAL DOZER DOZER		Hours           8.00           16.00           8.59           1.64	\$2,963.83 \$13,400.52 \$1,189.04 \$227.50

#### **INDIRECT COSTS**

#### **OVERHEAD AND PROFIT:**

Liability insurance:	2.02%	Total =	\$464.96
Performance bond:	1.05%	Total =	\$241.69
Job superintendent:	22.97 hrs	Total =	\$1,502.47
Profit:	10.00%	Total =	\$2,301.79
		TOTAL O & P =	\$4,510.91
		CONTRACT AMOUNT (direct + O & P) =	\$27,528.80

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	500.0 0.00% 5.00%	Total =	500.00 \$0.00 \$1,376.44
CONTINGENCY:	0.00	Total =	\$0.00
		TOTAL INDIRECT COST =	\$6,387.35

TOTAL BOND AMOUNT (direct + indirect) = \$29,405.00

## **DEMOLITION WORK**

	Task description:	Demolition/	emoval of onsi	te structures		
Site:	CM-25 Mine		Permit Action:	AM1	Permit/Job#:	M1977307
<u>PROJE</u>	CT IDENTIFICAT	ION				
Task #	: 01A	State:	Colorado		Abbreviation: Not	ne
Date	: 5/6/2013	County:	Montrose		Filename: M3	07-01a
User	: DMC	_				
	Agency or organ	nization name:	DRMS			
UNIT C	<u>OSTS</u>				Location adjustme	nt: 94.70 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	<b>Total Cost</b>
Remove compressor building	24' x 12' x 8'	Bldg. (SN) demo./off-site disposal in approved landfill - Max. 15 mile haul	2,304.00	CF	\$1.07	\$2,465.28
Demo compressor building slab	24' x 12' x 12"	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 50 ft. push	288.00	SF	\$2.31	\$664.42

				<b>Total Cost</b>	
		Subtotal		(adjusted for	
Job Hours:	8.00	(unadjusted):	\$3,129.70	location):	\$2,963.83

## SAFEGUARDING UNDERGROUND OPENINGS

Site:	CM-25 Mine	Permit Action:	AM1	Permit/Jo	b#: <u>M1977307</u>
ROJEC	CT IDENTIFICAT	ION			
Task #:	02A	State: Colorado		Abbreviation:	None
Date:	5/6/2013	County: Montrose		Filename:	M307-02a
User:	DMC				

# UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Main and escapeway	EA	Adit closure - backfilling (per opening)	2.00	EA	\$1,415.48	\$2,830.96
Ventholes	EA	Shaft closure – concrete plug	4.00	EA	\$2,642.39	\$10,569.56

Job Hours: 16.00

Total Cost: \$13,400.52

## Page 1 of 1

## BULLDOZER WORK

Task description:	<b>Recontour mine waste</b>	aump		
CM-25 Mine	Permit Ac	etion: AM1	Permit/Job#:	M1977307
PROJECT IDENTI	FICATION			
Task #: 03A	State: Cold	orado	Abbreviation:	None
Date: 5/6/2013		ntrose	Filename:	M307-03a
User: DMC				
Agency or org	anization name: DRMS			
HOURLY EQUIPM	IENT COST			
	at D6T LGP			
	00			
	traight			
	IA			
	per day			
	CRG)			
Cost Breakdown:				
COSt Dicardown.		Utilization %		
Ownership Cost/Hour	: \$35.09	NA		
Operating Cost/Hour		100		
Ripper op. Cost/Hour		0		
Tupper op. cosuriou	φυ.υυ	0		
•• •	. \$37.41	NTA		
Operator Cost/Hour	: \$37.41	NA		
•• •	: \$37.41 \$138.47	NA		
Operator Cost/Hour		NA		
Operator Cost/Hour Total unit Cost/Hour: Total Fleet Cost/Hour:	\$138.47 <b>\$138.47</b>	NA		
Operator Cost/Hour Total unit Cost/Hour:	\$138.47 <b>\$138.47</b>	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN	\$138.47 <b>\$138.47</b> VTITIES	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume:1,	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944	NA		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1.	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 000			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1,	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 000 944 LCY			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1,	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <b>MATERIAL QUAN</b> Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: <b>MATERIAL QUAN</b> Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODU	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION 50 feet			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 000 944 LCY lume: AM1 Rec. Plan cat Handbook CTION 100 50 feet 100 100 100 100 100 100 100 10			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prov	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION luction: 50 feet luction: 444.6 LCY/hr lescription: Loose stockp			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prod Materials consistency of Average push gradient	\$138.47 \$138.47 \$138.47 <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION fuction: 444.6 LCY/hr lescription: Loose stockp 0 %		-	
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prov	\$138.47 <b>\$138.47</b> <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION luction: 50 feet luction: 444.6 LCY/hr lescription: Loose stockp			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prod Materials consistency of Average push gradient	\$138.47 \$138.47 \$138.47 <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION fuction: 444.6 LCY/hr lescription: Loose stockp 0 %			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude:	\$138.47 \$138.47 \$138.47 <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION duction: 444.6 LCY/hr lescription: Loose stockp 0 % 5,800 feet		·	
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODUC Average push distance Unadjusted hourly proc Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcting	\$138.47 \$138.47 \$138.47 \$138.47 <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan ell factor: Cat Handbook CTION duction: 444.6 LCY/hr lescription: Loose stockp 0 % 5,800 feet 2,700 lbs/LCY Stone - crushed on Factor			
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of e	\$138.47 \$138.47 \$138.47 \$138.47 <b>XTITIES</b> 944 900 944 LCY lume: AM1 Rec. Plan Cat Handbook CTION duction: 50 feet 444.6 LCY/hr lescription: Loose stockp 0 % 5,800 feet 2,700 lbs/LCY Stone - crushed on Factor or Skill: 0.750	ile 1.2		
Operator Cost/Hour: Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 1, Swell factor: 1. Loose volume: 1, Source of estimated vo Source of estimated vo Source of estimated sw HOURLY PRODU Average push distance Unadjusted hourly prod Materials consistency of Average push gradient Average site altitude: Material weight: Weight description: Job Condition Correcting	$\frac{\$138.47}{\$138.47}$ $\frac{\$138.47}{\$144.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.47}{\$146.6}$ $\frac{\$138.4}{\$146.6}$ $\frac{\$138.4}{\$146.6}$ $\frac{\$138.4}{\$146.6}$ $\frac{\$138.4}{\$146.6}$ $\frac{\$138.4}{\$166.6}$ $\frac{100.750}{\$166.6}$ $\frac{100.750}{\$166.6}$ $\frac{100.750}{\$166.6}$ $\frac{100.750}{\$166.6}$ $\frac{100.750}{\$166.6}$ $\frac{100.750}{\$166.6}$	vile 1.2	)	

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:	0.852	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.5092	
Adjusted unit production: 22	.6.39 LCY/hr	7.

#### JOB TIME AND COST

Adjusted fleet production:

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.612/LCY	

226.39 LCY/hr

Total job time:	<b>8.59</b> Hours	
Total job cost:	\$1,189.04	

## Page 1 of 1

BULLDOZER	WORK

CM-25 Mine	Per	mit Action:	<u>M1</u>	Permit/Job#:	M1977307
PROJECT IDENTIF	<b>TICATION</b>				
Task #: 04A	State:	Colorado		Abbreviation:	None
Date: 5/6/2013	County:	Montrose		Filename:	M307-04a
User: DMC				-	
Agency or orga	inization name: DF	RMS			
HOURLY EQUIPMI	ENT COST				
Basic Machine: Ca	t D6T LGP				
Horsepower: 200					
	aight				
Attachment: NA					
	ber day				
	RG)				
Cost Breakdown:					
		1	Utilization %		
Ownership Cost/Hour:	\$35.09		NA		
Operating Cost/Hour:	\$65.97	_	100		
Ripper op. Cost/Hour:	\$0.00		0		
Operator Cost/Hour:	\$37.41		NA		
	¢120.47				
Total unit Cost/Hour:	\$138.47				
Cotal unit Cost/Hour: Cotal Fleet Cost/Hour:	\$138.47 <b>\$138.47</b>				
Cotal Fleet Cost/Hour:	\$138.47				
Total Fleet Cost/Hour:	\$138.47 <u>FITIES</u>				
Total Fleet Cost/Hour: MATERIAL QUANT Initial Volume: <u>300</u>	\$138.47 <u>FITIES</u>				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00	\$138.47 FITIES 00				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00	\$138.47 <u>FITIES</u>				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00	\$138.47 FITIES 00 LCY	  c. Plan			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300	\$138.47 FITIES 00 LCY Ime: AM1 Rec				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu	\$138.47 FITIES 00 LCY Ime: AM1 Rec				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu	\$138.47 FITIES 00 LCY Ime: AM1 Rec 11 factor: Cat Hand				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated swel       300         HOURLY PRODUCC       1000	\$138.47 FITIES 00 LCY Ime: AM1 Rec Il factor: Cat Hand TION				
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated swel       300         HOURLY PRODUCT       4         Average push distance:       300	\$138.47 FITIES 00 LCY Ime: AM1 Rec 11 factor: Cat Hand TION 150 feet	lbook			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated swel       300         HOURLY PRODUCC       1000	\$138.47 FITIES 00 LCY Ime: AM1 Rec 11 factor: Cat Hand TION 150 feet	lbook			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated swel       300         HOURLY PRODUCT       4         Average push distance:       300	\$138.47 FITIES 00 LCY Ime: AM1 Rec 11 factor: Cat Hand TION 150 feet 150 feet 1212.5 LCY/	lbook			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated swel       300         HOURLY PRODUC'       Average push distance:         Jnadjusted hourly produ       Materials consistency destance:	\$138.47 FITIES 00 LCY Ime: AM1 Rec 11 factor: Cat Hand TION 150 feet 150 feet 1212.5 LCY/	lbook /hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated swel       300         HOURLY PRODUCC       Average push distance:         Jnadjusted hourly produ	\$138.47 FITIES 00 LCY Ime: AM1 Rec 11 factor: Cat Hand TION Interim 150 feet 150 feet 212.5 LCY/ scription: Loose s	lbook /hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu         Source of estimated swel         HOURLY PRODUC'         Average push distance:         Jnadjusted hourly produ         Materials consistency de:         Average push gradient:	\$138.47 FITIES DO LCY Ime: AM1 Rec I factor: Cat Hand TION I 50 feet 212.5 LCY/ scription: Loose s 0 %	lbook /hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Gource of estimated volu       300         Gource of estimated swell       300         HOURLY PRODUC!       Average push distance:         Jnadjusted hourly produ       Materials consistency de:         Average push gradient:       Average site altitude:	\$138.47 FITIES 00 LCY Ime: AM1 Rec 1 factor: Cat Hand TION 150 feet 212.5 LCY/ scription: Loose s 0 % 5,800 feet	lbook /hr			
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Gource of estimated volu       300         Gource of estimated swell       300         HOURLY PRODUC!       Average push distance:         Inadjusted hourly produ       Materials consistency de:         Average push gradient:       Average site altitude:         Material weight:       Weight description:	\$138.47         FITIES         00         LCY         ime:       AM1 Rec         Il factor:       Cat Hand         TION         action:       212.5 LCY/         scription:       Loose s         0 %       5,800 feet         1,600 lbs/LCY         Top Soil	lbook /hr	Source		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Source of estimated volu       300         Source of estimated volu       300         Source of estimated swell       4000000000000000000000000000000000000	\$138.47 FITIES 00 LCY Ime: AM1 Rec 1 factor: Cat Hand TION 150 feet 212.5 LCY/ scription: Loose s 0 % 5,800 feet 1,600 lbs/LCY Top Soil n Factor	lbook /hr stockpile 1.2	<u>Source</u>		
Total Fleet Cost/Hour:         MATERIAL QUANT         Initial Volume:       300         Swell factor:       1.00         Loose volume:       300         Gource of estimated volu       300         Gource of estimated swell       300         HOURLY PRODUC!       Average push distance:         Inadjusted hourly produ       Materials consistency de:         Average push gradient:       Average site altitude:         Material weight:       Weight description:	\$138.47         FITTIES         00         LCY         ume:       AM1 Rec         Il factor:       Cat Hand         TION         action:       150 feet         action:       212.5 LCY/         scription:       Loose s         0 %       5,800 feet         1,600 lbs/LCY       Top Soil         n Factor       Skill:       0.	lbook /hr	Source (AVG.) (CAT HB)		

ty: 1.000	(AVG.)
ey: 0.830	(1 SHIFT/DAY)
le: 0.800	(FND-RF)
nt: 1.000	(CAT HB)
le: 1.000	(CAT HB)
ht: 1.438	(CAT HB)
be: 1.000	(PAT)
on: 0.8593	
182.60 LCY/hr	
182.6 LCY/hr	
	y:       0.830         le:       0.800         nt:       1.000         le:       1.000         nt:       1.438         pe:       1.000         nn:       0.8593         182.60 LCY/hr

#### JOB TIME AND COST

Fleet size:	1 Dozer(s)	
Unit cost:	\$0.758/LCY	

Total job time:	1.64 Hours
Total job cost:	\$227.50

## **REVEGETATION WORK**

raon accorn	otion:	Revegetate site				
CM-25 N	line	Permit	Action: AM	1	Permit/Job#:	M1977307
PROJEC1	<u>IDENTIF</u>	<b>ICATION</b>				
Task #:	05A	State: C	Colorado		Abbreviation:	None
Date:	5/6/2013	County: N	Aontrose		Filename:	M307-05a
User:	DMC					
	<u>ZING</u>					
Materials			Units /	Unit	Cost / Unit	Cost /Acre
•			Units / Acre	Unit	Cost / Unit	Cost /Acre
Materials			Acre			
Materials Description	on		Acre		\$	\$
FERTILIZ Materials Description Application	on		Acre		\$	\$
Materials Descriptio Application	on		Acre		\$	\$ \$0.00

## **TILLING**

Description		Cost /Acre
Weed control spraying (MEANS 31 31 16.13 3100)		\$145.20
	Total Tilling Cost/Acre	\$145.20

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	2.00	32.64	\$21.30
Indian Ricegrass - Native	4.00	12.95	\$26.96
Galleta	2.00	7.30	\$50.40
Slender Wheatgrass - Native	2.00	7.30	\$4.50
Western Wheatgrass - Arriba	4.00	10.10	\$14.72
Needle and Thread	1.00	2.64	\$46.99
Needlegrass, Green - Lodorm	2.00	8.31	\$10.78
Flax, Lewis Blue	1.00	6.63	\$16.52
Saltbush, Four Wing	3.00	4.13	\$32.19
Globemallow, Scarlet (or copper)	0.30	3.40	\$42.14
Winter Fat	1.00	2.55	\$32.69
Penstemon, Palmer	0.50	11.06	\$15.50
Totals Seed Mix	22.80	109.01	\$314.69

Application		
Description		Cost /Acre
Broadcast seeding [DMG]		\$261.28
	Total Seed Application Cost/Acre	\$261.28

## **MULCHING and MISCELLANEOUS**

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					

## JOB TIME AND COST

	No. of Acres: ed Failure Rate: ng Work Items:	Cost /Acre: Cost /Acre*:	e motor a
Initial Job Cost: Reseeding Job Cost:			
Total Job Cost: Job Hours:			

#### EQUIPMENT MOBILIZATION/DEMOBILIZATION

CM-25 Mine		Permit A	Action: AM1		Pe	rmit/Job#: M19	77307
PROJECT IDEN	TIFICAT	ION					
Task #: 06A		State: Co	olorado		Abbr	eviation: None	
Date: 5/6/2		County: M	ontrose		F	ilename: M307	-06a
User: DMC	•						
Agency of	r organization	n name: DRMS					<u> </u>
EQUIPMENT T	<b>RANSPOF</b>	<u>RT RIG COST</u>					
					Shift ba	usis: 1 per da	v
					Cost Data Sou		
Truch	Tractor Door	centions cent					DOWEDED
ITUCK	Tractor Desc	ription: GENI	ERIC UN-HIGH		OCK TRACTO (2ND HALF,	OR, 6X4, DIESEL	POWERED,
Truck	Trailer Desc	rintion: GENE	PIC FOI DING			DECK EQUIPME	NT TDAILED
TIUCK	Traffer Desc	anpuoli. OERE	KIC FOLDING		, 50T, AND 10		NI IKAILEK
		<u></u>		(201	,		
Cost Breakdown:							
Available Rig Cap	acities	0-25 Tons	26-50 Tons	51-	+ Tons		
Ownership (	Cost/Hour:	\$16.63	\$18.37	\$	22.33		
Operating (		\$44.38	\$46.13	\$	50.07		
	Cost/Hour:	\$27.66	\$27.66	\$	27.66		
Helper	Cost/Hour:	\$0.00	\$25.39	\$	25.39		
Total Unit (	Cost/Hour:	\$88.67	\$117.55	\$1	25.45		
NON ROADABI	LE EQUIP	MENT:					
Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Perm
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
L	(TONS)				fleet		
Cat D6T LGP	26.87	\$35.09	\$117.55	1	\$152.64	\$117.55	\$250.00
CAT 950H	20.13	\$24.98	\$88.67	1	\$113.65	\$88.67	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
			S	Subtotals:	\$394.55	\$294.89	\$750.00
ROADABLE E(	MIPMENT	r.					

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	
Light Duty Pickup, 4x4, 3/4 T.	\$15.34	1	\$15.34	\$15.34	
		Subtotals:	\$15.34	\$15.34	٦

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	NUCLA	
Total one-way travel distance:	15.00	miles
Average Travel Speed:	35.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$2,880.05	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$13.15	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.43	0.43
Return Time (Hours):	0.43	0.43
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.86	0.86

#### JOB TIME AND COST

Total job time:	3.71	Hours
Total job cost:	\$2,893.20	