

March 26, 2024

Craig Howell Nuvemco, LLC PO Box 297 Naturita, CO 81422

#### Re: Last Chance #3 & #4 - File No. M-2008-012 Nuvemco, LLC Surety Increase (SI-1)

Dear Craig Howell:

On March 26, 2024 the Division of Reclamation, Mining and Safety increased the Financial Warranty requirement for this permit to \$55,309.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$10,059.00.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, is due within 60 days from the date of this letter (March 26, 2024).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after May 25, 2024, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$45,250.00
Prior Liability:	\$45,250.00
Change in Liability:	\$10,059.00
Revised Liability:	\$55,309.00
Prior Permit Acreage:	49.98



Physical Address: 1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106 Mailing Address: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216 <u>https://drms.colorado.gov</u> Jared S. Polis, Governor | Dan Gibbs, Executive Director | Michael A. Cunningham, Director

Change in Permit Acreage:	0.00
Revised Permit Acreage:	49.98
Prior Affected Acreage:	
Change in Affected Acreage:	
Revised Affected Acreage:	

If you have any questions, please contact me by telephone at (303) 866-3567 x 8188, or by email at Dustin.czapla@state.co.us.

Sincerely,

h

Dustin M. Czapla Environmental Protection Specialist

cc: Craig H. Howell

M-GR-04

March 4, 2024

Craig Howell Nuvemco, LLC PO Box 297 Naturita, CO 81422



1313 Sherman Street, Room 215 Denver, CO 80203

# RE: Last Chance #3 & #4, Permit # M-2008-012, Reclamation Costs Update

Dear Operator:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed) for this site. Division calculations estimate the cost to reclaim the site to be \$55,309.00. This is an increase of \$10,059.00 over the \$45,250.00 currently held by the Division.

Within 15 days, please review the attached estimate and notify me if any calculation errors are noted.

If you require additional information, or have questions or concerns, please contact me.

Sincerely,

*Dustin Czapla* Environmental Protection Specialist Division of Reclamation, Mining and Safety Phone: (303) 866-3567, ext. 8188



# COST SUMMARY WORK

Task description:2024-02		2024-02-16 Revi	ew			<u> </u>		
Site:	Last Cha	nce #3 & #4	Pe	rmit Action:	2024-02-16	Permit/Jo	o#: M2008012	
<u>P</u> ]	ROJECT	IDENTIFIC	CATION					
	Task #:	000	State:	Colorado		Abbreviation:	None	
	Date:	2/16/2024	County:	Montrose		Filename:	M012-000	
	User:	DMC				_		
	Age	ency or organi	zation name: DI	RMS				

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Haul ore stockpile base material into mine	LOADER	1	38.55	\$3,770
02a	Closure of mine openings	MINESEAL	1	16.00	\$6,063
03a	Removal of power line and mine debris	DEMOLISH	1	8.00	\$2,465
04a	Rip compacted areas (roads, waste piles, etc.)	RIPPER	1	10.27	\$4,606
05a	Establish final stormwater control features	DOZER	1	3.41	\$1,454
06a	Push topsoil over reclaim areas	DOZER	1	6.61	\$2,818
07a	Seal maximum 50 drill holes in permit area	BOREHOLE	1	25.00	\$2,811
08a	Revegetate 6 acres disturbed area	REVEGE	1	6.00	\$14,367
09a	Mobilize reclamation crew/equipment	MOBILIZE	1	4.28	\$4,833
		<u>SUBTC</u>	DTALS:	118.12	\$43,187

### **INDIRECT COSTS**

#### OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$872
Performance bond:	1.05	Total =	\$453
Job superintendent:	59.06	Total =	\$3,844
Profit:	10.00	Total =	\$4,319
		TOTAL O & P =	\$9,488
		CONTRACT AMOUNT (direct + $O \& P$ ) =	\$52,675

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: Reclamation management and/or administration:	\$0 0.00 5.00	Total = Total =	\$0 \$0 \$2,634
CONTINGENCY:	0.00	Total =	\$0
	TOTAL I	NDIRECT COST =	\$12,122
TOTAL BO	OND AMOUNT (	direct + indirect) =	\$55,309

### WHEEL LOADER - LOAD AND CARRY WORK

Task d	esemption.			stockpi						
: Last	t Chance #3 &	z #4		Peri	mit Actior	n: <u>2024-02-</u>	16	F	ermit/Job#:	M2008012
<u>PROJ</u>	IECT IDEN	<b>FIFIC</b> A	ATION							
D	bk #: 01A  0ate: 2/16/20  Jser: DMC	024	C	State: County:	Colorad Montro			_	Filename:	None 01a
	Agency or o	organiza	tion nam	e: DR	RMS					
HOU	RLY EQUIP	PMENT	r cost							
	Basic Machine		AT 246C	•			Ho	rsepower:		73
	Attachment		DPS Cab				Sl	hift Basis:	1 p	er day
							Dat	ta Source:	(0	CRG)
Cost B	Breakdown:									
				<b>#2</b> 0.0	0.4	Utilizatio				
	Ownership C Operating C			\$30.8 \$26.2		NA 100				
	Operating C Operator C			\$40.7		NA				
	Total Unit C			\$97.8		1.1.1				
				¢07	00	_				
	Total Fleet C	Cost/Hoi	ır:	\$97.	.80	_				
	nitial volume:	800								
L	oose volume: Sou	rce of es	800 stimated ated swel			Swo re at 1' depth andbook	ell factor:	1.000		
	oose volume: Sou	rce of es	stimated ated swel		LCY 1/2 act	re at 1' depth	ell factor:	1.000		
HOU	oose volume: Sou Source o	rce of es of estima UCTIO	stimated ated swel	l factor:	LCY LCY Cat Ha	re at 1' depth			0.425	minutes
HOU	oose volume: Sou Source o RLY PROD r Cycle Time: Cycle Time F	rce of es of estima UCTIO UCTIO	stimated ated swel <u>DN</u> Jnadjuste	l factor: ed Basic	LCY <u>1/2 acr</u> Cat Ha	re at 1' depth andbook		er): Facto	or (min.)	Source
HOU	oose volume: Sou Source o RLY PROD r Cycle Time: Cycle Time F Ma	rce of estimation of estimation UCTIO UCTIO UCTIO Sactors aterial:	stimated ated swel <u>N</u> Jnadjuste Mixed	l factor: ed Basic material	LCY <u>1/2 acr</u> Cat Ha Cycle Tir	re at 1' depth andbook ne (load, dum	ıp, maneuv	er): Facto	or (min.) .020	Source (Cat HB)
HOU	oose volume: Sou Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo	rce of estimation of estimation UCTIO UCTIO UCTIO UCTIO UCTIO UCTIO UCTIO	stimated ated swel <u>DN</u> Jnadjuste <u>Mixed</u> No adj	l factor: ed Basic <u>material</u> ustment	LCY <u>1/2 acr</u> Cat Ha Cycle Tin 10.02 - factor no	re at 1' depth andbook ne (load, dum ot applicable (	ıp, maneuv 0.00	er): Facto 0	or (min.) .020 .000	Source (Cat HB) (Cat HB)
HOU	oose volume: Sou Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owno	Tree of estimated of estimated UCTIO UCTIO Factors aterial: ckpile: ership:	stimated ated swel <u>M</u> Jnadjuste <u>Mixed</u> <u>No adj</u>	l factor: ed Basic <u>material</u> <u>ustment</u> ustment	LCY <u> 1/2 acr Cat Ha</u> Cycle Tin 0.02 <u>- factor no</u> - factor no	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable (	ıp, maneuv 0.00	er): Facto 0 0 0 0	or (min.) .020 .000 .000	Source (Cat HB) (Cat HB) (Cat HB)
HOU	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper	Tree of estimation of estimation UCTIO UCTIO Tactors aterial: ckpile: ership: ration:	stimated ated swel DN Jnadjuste Mixed No adj No adj Incons	l factor: ed Basic material ustment ustment istent op	LCY <u>1/2 act</u> Cat Ha Cycle Tir 0.02 - factor no - factor no peration 0.1	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable (	ıp, maneuv 0.00	er): Facto 0 0 0 0 0	or (min.) .020 .000 .000 .040	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB)
HOU	oose volume: Sou Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owno	Tree of estimation of estimation UCTIO UCTIO Tactors aterial: ckpile: ership: ration:	stimated ated swel DN Jnadjuste Mixed No adj No adj Incons	l factor: ed Basic <u>material</u> <u>ustment</u> ustment	LCY <u>1/2 act</u> Cat Ha Cycle Tir 0.02 - factor no eration 0.0	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable (	p, maneuv 0.00 0.00	er): Facto 0 0 0 0 0 0 0	or (min.) .020 .000 .000	Source (Cat HB) (Cat HB) (Cat HB)
HOU	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper	Tree of estimation of estimation UCTIO UCTIO Tactors aterial: ckpile: ership: ration:	stimated ated swel DN Jnadjuste Mixed No adj No adj Incons	l factor: ed Basic material ustment ustment istent op	LCY <u>1/2 act</u> Cat Ha Cycle Tir 0.02 - factor no eration 0.0 0.00 Net 0	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04	p, maneuv 0.00 0.00 djustment:	er): Facto 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB)
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper	Tree of estimations of estimations UCTIO UCTIO UCTIO UCTIO UCTIO Cactors aterial: ckpile: ership: ration: Target:	stimated ated swel DN Jnadjuste Mixed No adj Incons Nomin	l factor: ed Basic material ustment ustment istent op al target	LCY <u>1/2 act</u> Cat Ha Cycle Tir 0.02 - factor no eration 0.0 0.00 Net 0	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A	p, maneuv 0.00 0.00 djustment:	er): Facto 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000 .060	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper Dump T g Resistance –	The of estimation of estimatio	stimated ated swel DN Jnadjuste Mixed No adj Incons Nomin	l factor: ed Basic material ustment ustment istent op al target	LCY <u>1/2 act</u> Cat Ha Cycle Tir 0.02 - factor no - factor no eration 0. 0.00 Net 0 Adju	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A	p, maneuv 0.00 0.00 djustment: ycle Time:	er): Facto 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .060 .485	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper Dump T g Resistance – H	Tree of estimations of estimations UCTIO UCTIO Factors aterial: ckpile: ership: ration: Target: Road Content [aul:]	stimated ated swel DN Jnadjuste Mixed No adj Incons Nomin onditions Rutted di	l factor: ed Basic <u>material</u> <u>ustment</u> <u>ustment</u> <u>istent op</u> <u>al target</u> <u>s</u> rt, little	LCY <u>1/2 act</u> <u>Cat Ha</u> Cycle Tin <u>0.02</u> - factor no eration 0.1 0.00 Net Q Adju	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A asted Basic C	p, maneuv 0.00 0.00 djustment: ycle Time: 2" tire pen	er): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000 .060 .485	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper Dump T g Resistance – H Ret	Tree of estimation of estimati	stimated ated swel DN Jnadjuste Mixed No adj Incons Nomin onditions Rutted di	l factor: ed Basic <u>material</u> <u>ustment</u> <u>ustment</u> <u>istent op</u> <u>al target</u> <u>s</u> rt, little	LCY <u>1/2 act</u> <u>Cat Ha</u> Cycle Tin <u>0.02</u> - factor no eration 0.1 0.00 Net Q Adju	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A asted Basic C	p, maneuv 0.00 0.00 djustment: ycle Time: 2" tire pen	er): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000 .060 .485	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper Dump T g Resistance – H	rce of estimated o	stimated ated swel DN Jnadjuste Mixed No adj Incons No min onditions Rutted di	l factor: ed Basic <u>material</u> <u>ustment</u> <u>ustment</u> <u>istent op</u> <u>al target</u> <u>s</u> <u>rt, little n</u>	LCY 1/2 acr Cat Ha Cycle Tir 0.02 - factor no eration 0.0 Net 0 Adju maintenar maintenar	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A usted Basic C ace, no water, ace, no water,	p, maneuv 0.00 0.00 djustment: ycle Time: 2" tire pen 2" tire pen	er): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000 .060 .485	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper Dump T g Resistance – H Ret	rce of estima of estima UCTIO Factors aterial: ckpile: ership: ration: Target: Road C laul: aurn: Eurn:	stimated ated swel DN Jnadjuste Mixed No adj Incons Nomin onditions Rutted di Rutted di	l factor: ed Basic <u>material</u> ustment ustment istent op al target <u>s</u> rt, little rt, little	LCY 1/2 act Cat Ha Cycle Tir 0.02 - factor no - factor no eration 0.1 0.00 Net 0 Adju maintenar maintenar	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A usted Basic C nce, no water, nce, no water, Rolling	p, maneuv 0.00 0.00 djustment: ycle Time: 2" tire pen 2" tire pen	er): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000 .060 .485 0 0 0	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes
HOU Loader	oose volume: Source of RLY PRODI r Cycle Time: Cycle Time F Ma Stoo Truck Owne Oper Dump T g Resistance – H Ret	rce of estima of estima UCTIO Factors aterial: ckpile: ership: ration: Target: Road C [aul: ] aurn: ] turn: ] Le (f	stimated ated swel DN Jnadjuste Mixed No adj Incons No min onditions Rutted di	l factor: ed Basic <u>material</u> <u>ustment</u> <u>ustment</u> <u>istent op</u> <u>al target</u> <u>s</u> <u>rt, little n</u>	LCY 1/2 act Cat Ha Cycle Tin 0.02 - factor no - factor no eration 0. 0.00 Net C Adju maintenar maintenar	re at 1' depth andbook ne (load, dum ot applicable ( ot applicable ( 04 Cycle Time A usted Basic C ace, no water, ace, no water,	p, maneuv 0.00 0.00 djustment: ycle Time: 2" tire pen 2" tire pen	er): Factor 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	or (min.) .020 .000 .000 .040 .000 .060 .485	Source (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) (Cat HB) minutes minutes

			otal Travel Tin Fotal Cycle Tin		minutes minutes
Load Bucket Capacity					
Rated Capaci		_ LCY (heaped	· · · · · · · · · · · · · · · · · · ·		
Bucket Fill Fact Adjusted Capaci		LCY	- avg. blasted	(75 - 90%) 0.825	
Job Condition Correction Site Altitude: <u>6300</u> feet	on Factors				
		Source			
Altitude Adj:	1.00	(CAT HB)			
Job Efficiency:	0.83	(1 shift/day)			
Net Correction:	0.83	multiplier	_		
U	nadjusted Hourly Unit	Production:	25.00	LCY/Hour	
	Adjusted Hourly Unit	Production:	20.75	LCY/Hour	
	Adjusted Hourly Fleet	Production:	20.75	LCY/Hour	
JOB TIME AND CO	<u>OST</u>				
Fleet size:	1 Loader(s)	То	tal job time:	38.55	Hours

 Unit cost:
 \$4.713
 /LCY
 Total job cost:
 \$3,770

## SAFEGUARDING UNDERGROUND OPENINGS

1	Task description:	Closure of r	nine openings			
Site:	Last Chance #3 & #4		Permit Action:	2024-02-16	Permit/.	Job#: <u>M2008012</u>
<u>PROJE</u>	CT IDENTIFICATION	<u>N</u>				
Task #:	02A	State:	Colorado		Abbreviation:	None
Date:	2/16/2024	County:	Montrose		Filename:	02a
User:	DMC					
	Agency or organiza	tion name:	DRMS			

### **UNIT COSTS**

<b>Opening Description</b>	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Main portal closure	10' x 10'	Adit closure - backfilling	1.00	EA	\$3,199.01	\$3,199.01
		(per opening)				
Main fan shaft closure	36 inch	Shaft closure - backfilling	1.00	EA	\$2,864.29	\$2,864.29
		(per opening)				

Job Hours: 16.00

Total Cost: \$6,063.30

# **DEMOLITION WORK**

,	Task description:	Removal of	power line and	mine debris		
Site:	Last Chance #3 & #4		Permit Action:	2024-02-16	Permit/J	lob#: <u>M2008012</u>
PROJE	CT IDENTIFICATIO	N				
Task #:	03A	State:	Colorado		Abbreviation:	None
Date:	2/16/2024	County:	Montrose		Filename:	03a
User:	DMC					
	Agency or organiza	tion name:	DRMS			

## UNIT COSTS

# Location adjustment: 92.10 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Power pole	1	Utility Poles, Wood 20' to 0' high (each pole)	1.00	EA	\$256.00	\$256.00
Power line	1	Powerline or utility line - Structural Steel Box Type Frame Structure Dismantle and Dispose	1.00	EA	\$2,060.50	\$2,060.50
Mine related debris	na	Push demolished materials/rubble/debris into pit - Max. 50 ft. push	500.00	СҮ	\$0.72	\$360.00

				<b>Total Cost</b>	
		Subtotal		(adjusted for	
Job Hours:	8.00	(unadjusted):	\$2,676.50	location):	\$2,465.06

# BULLDOZER RIPPING WORK

	Task description:	Rip	compacted areas (road	s, waste piles, etc	c.)	
Site:	Last Chance #	‡3 & #4	Permit Action:	2024-02-16	Permit	t/Job#: <u>M2008012</u>
	PROJECT ID	ENTIFICAT	ION			
	Task #:         04A           Date:         2/1           User:         DM	6/2024	State: <u>Colorado</u> County: <u>Montrose</u>		Abbrevia	
	Agency	or organizatio	n name: DRMS			
	HOURLY EQ	UIPMENT C	COST			
			at D8T - 8SU		Horsepower:	310
	Ripper Att	achment: 3-	Shank Ripper		Shift Basis:	1 per day
					Data Source:	(CRG)
	Cost Breakdown:	<u>.</u>		1	Utilization %	
		Ownership (	Cost/Hour:	\$241.38	NA NA	
		Operating (	Cost/Hour:	\$143.92	100	
		er Ownership (		\$14.11	NA	
	Rıpp	oer Operating ( Operator (		\$7.45 \$41.30	100 NA	
		Total Unit (		\$448.16		
		Total Fleet (		48.16		
	MATERIAL Ç	DUANTITIE	<u>S</u> Se	lected estimating	method: Area	
	Alternate Method	<u>ls:</u>				
nic:	NA		Bank Volume:	NA	BCY	NA
rea:	6.00	acres	Rip Depth (ft):	2.00	Volume: 19,36	60 BCY or
		Source of est	imated quantity: Mine	, exploration area,	roads	
	HOURLY PRO	<b>DDUCTION</b>				
	Seismic:					
			Seismic Velocity:	NA	feet/second	
	Area:					
			ge Ripping Depth:	2.56	feet/pass	
			ge Ripping Width: ge Ripping Length:	7.08 100.00	feet/pass feet/pass	
			erage Dozer Speed:	88.00	feet/minute	
		Averag	e Maneuver Time:	0.25	minutes/pass	3
		Produ	ction per unit area:	0.703	acres/hour	
	Job Condition Co	prrection Factor	rs			
	Un	adjusted Hourl	y Unit Production:	0.703	Acres/hr	
			Site Altitude:	6,300	feet	
			Altitude Adj:	1.00	(CAT HB)	
			Job Efficiency:	0.83	(1 shift/day)	
			Net Correction:	0.83	multiplier	
		Adjuste	1 1 1 1 1 1 1 1 1	: 0.58	Acres/hr	
			d Hourly Unit Production			
			d Hourly Unit Production Hourly Fleet Production		Acres/hr	
	JOB TIME AN	Adjusted	•		Acres/hr	
	JOB TIME AN Fleet size:	Adjusted	•			Hours

## BULLDOZER WORK

			ontrol features		
Last Chance #3 & #4	Perm	nit Action:	2024-02-16	Permit/Job#:	M2008012
PROJECT IDENTIFI	CATION				
Task #: 05A	State:	Colorado		Abbreviation:	None
Date: $2/16/2024$	County:	Montrose		Filename:	05a
User: DMC					
Agency or organ	ization name: <u>DR</u>	MS			
HOURLY EQUIPME	NT COST				
	D8T - 8SU				
Horsepower: 310					
	i-Universal				
Attachment: NA	1				
	r day				
Data Source: (CR	(J)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:		\$241.38	NA		
Operating Cost/Hour:		\$143.92	100		
Ripper own. Cost/Hour:		\$0.00	NA		
Ripper op. Cost/Hour: Operator Cost/Hour:		\$0.00 \$41.30	0		
1			1111		
Total Fleet Cost/Hour:	\$426.60				
	<u>ITIES</u>	_			
MATERIAL QUANT Initial Volume: 1,500 Swell factor: 1.000	<u>ITIES</u>				
MATERIAL QUANT Initial Volume: 1,500 Swell factor: 1.000	ITIES D D LCY ne: _Estimate b		ms/sediment ponds/ditche	2S	
MATERIAL QUANT         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum	ITIES DLCY he: Estimate b factor: Cat Handb		ms/sediment ponds/ditche	25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT	ITIES D LCY he: Estimate b factor: Cat Handl ION		ms/sediment ponds/ditche	25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:	ITIES DLCY he: Estimate b factor: Cat Handb ION 50 feet	book	ms/sediment ponds/ditche	25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product	ITIES DECY DECY he: Estimate b factor: Cat Handl ION 50 feet tion: 1,400.0 LCY	book K/hr		25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:	ITIES DECY DECY he: Estimate b factor: Cat Handl ION 50 feet tion: 1,400.0 LCY	book K/hr	ms/sediment ponds/ditche	25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product	ITIES DECY DECY he: Estimate b factor: Cat Handl ION 50 feet tion: 1,400.0 LCY	book K/hr		25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly produc         Materials consistency desc         Average push gradient:	ITIES         0         0         0         0         0         0         1,400.0 LCY         cription:         1,400.0 LCY         cription:         0 %	book K/hr			
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly produc         Materials consistency desc         Average push gradient:         Average site altitude:	ITIES           0           0 LCY           ne:         Estimate b           factor:         Cat Handl           ION           tion:         50 feet           1,400.0 LCY           cription:         Rock, a           0 %         6,300 feet	book K/hr		-	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency desc         Average site altitude:         Material weight:         Weight description:         Job Condition Correction	String         String<	book K/hr		25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency desc         Average site altitude:         Material weight:         Weight description:         Job Condition Correction	Solution         Solution         Estimate be can be	vg. ripped or	r blasted 0.7 <u>Source</u> (AVG.)	<u></u>	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly produc         Materials consistency desc         Average site altitude:         Material weight:         Weight description:         Job Condition Correction         Operator S         Material consiste	String         String<	book K/hr vg. ripped of 750 700	r blasted 0.7 <u>Source</u> (AVG.) (CAT HB)	25	
MATERIAL QUANTI         Initial Volume:       1,500         Swell factor:       1.000         Loose volume:       1,500         Source of estimated volum         Source of estimated volum         Source of estimated swell         HOURLY PRODUCT         Average push distance:         Unadjusted hourly product         Materials consistency desc         Average site altitude:         Material weight:         Weight description:         Job Condition Correction	ITIES         0         0         0         0         0         1	vg. ripped or	r blasted 0.7 <u>Source</u> (AVG.)	25	

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.3144	
Adjusted unit production: 44	0.16 LCY/hr	

# JOB TIME AND COST

Adjusted fleet production: 440.16 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.969/LCY

Total job time:	<b>3.41</b> Hours
Total job cost:	\$1,454

## BULLDOZER WORK

Task description:	Push topsoil over reclaim ar	eas		
: Last Chance #3 & #4	Permit Action:	2024-02-16	Permit/Job#:	M2008012
PROJECT IDENTIFI	<u>CATION</u>			
Task #: 06A	State: Colorado		Abbreviation:	None
Date: 2/16/2024	County: Montrose		Filename:	06a
User: DMC			=	
Agency or organ	ization name: DRMS			
HOURLY EQUIPME	NT COST			
	D8T - 8SU			
Horsepower: 310				
	i-Universal			
Attachment: NA				
Shift Basis: 1 pe	r day			
Data Source: (CR	G)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$241.38	NA		
Operating Cost/Hour:	\$143.92	100		
Ripper own. Cost/Hour:	\$0.00	NA		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$41.30	NA		
Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUANT	\$426.60 \$426.60			
Initial Volume: 4,840				
0 11 0 1 000				
Swell factor: 1.000				
	LCY			
Loose volume: <b>4,840</b> Source of estimated volum	LCY           ne:         6 ac. x 6" cover			
Loose volume: 4,840	LCY           ne:         6 ac. x 6" cover			
Loose volume: <b>4,840</b> Source of estimated volum	he: <u>6 ac. x 6" cover</u> factor: <u>Cat Handbook</u>			
Loose volume: <b>4,840</b> Source of estimated volum Source of estimated swell	LCY he: <u>6 ac. x 6" cover</u> factor: <u>Cat Handbook</u> <u>ION</u> <u>100 feet</u>			
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance:	LCY           ne:         6 ac. x 6" cover           factor:         Cat Handbook           ION         100 feet           tion:         852.6 LCY/hr			
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc	LCY           ne:         6 ac. x 6" cover           factor:         Cat Handbook           ION         100 feet           tion:         852.6 LCY/hr			
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient:	LCY         he:       6 ac. x 6" cover         factor:       Cat Handbook         ION         ition:       100 feet         852.6 LCY/hr         cription:       Loose stockpile 1.2         0 %			
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient: Average site altitude:	LCY         ne:       6 ac. x 6" cover         factor:       Cat Handbook         ION         100 feet         tion:       852.6 LCY/hr         cription:       Loose stockpile 1.2         0 %         6,300 feet			
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient: Average site altitude: Material weight:	DLCY         he:       6 ac. x 6" cover         factor:       Cat Handbook         ION         tion:       100 feet         852.6 LCY/hr         cription:       Loose stockpile 1.2         0 %         6,300 feet         1,600 lbs/LCY         Top Soil			
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	DLCY           he:         6 ac. x 6" cover           factor:         Cat Handbook           ION         100 feet           tion:         852.6 LCY/hr           cription:         Loose stockpile 1.2           0 %         6,300 feet           1,600 lbs/LCY         Top Soil           Factor         0.750	(AVG.)		
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S Material consiste	DLCY         he:       6 ac. x 6" cover         factor:       Cat Handbook         ION       100 feet         tion:       852.6 LCY/hr         cription:       Loose stockpile 1.2         0 %       6,300 feet         1,600 lbs/LCY       1,600 lbs/LCY         Top Soil       Eactor         Kill:       0.750         ncy:       1.200	(AVG.) (CAT HB)		
Loose volume: 4,840 Source of estimated volum Source of estimated swell HOURLY PRODUCT Average push distance: Unadjusted hourly produc Materials consistency dese Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction Operator S	DLCY         he:       6 ac. x 6" cover         factor:       Cat Handbook         ION	(AVG.)		

Job efficienc	y: 0.830	(1 SHIFT/DAY)
Spoil pil	e: 0.800	(FND-RF)
Push gradier	nt: 1.000	(CAT HB)
Altitud	le: 1.000	(CAT HB)
Material Weigh	nt: 1.438	(CAT HB)
Blade typ	ne: 1.000	(PAT)
Net correctio	n:0.8593	
Adjusted unit production:	732.64 LCY/hr	
Adjusted fleet production:	732.64 LCY/hr	

# JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.582/LCY

Total job time:	6.61 Hours
Total job cost:	\$2,818

## BOREHOLE SEALING WORK

]	Task description:	Seal maxin	um 50 drill holo	es in permit area		
Site:	Last Chance #3 & #4		Permit Action:	2024-02-16	Permit/.	Job#: <u>M2008012</u>
<u>PROJE(</u>	CT IDENTIFICATION	<u>1</u>				
Task #:	07A	State:	Colorado		Abbreviation:	None
Date:	2/16/2024	County:	Montrose		Filename:	07a
User:	DMC	-				
	Agency or organizat	ion name:	DRMS			

# **UNIT COSTS**

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
50 drill holes	General laborer - Colorado (total incl. fringes, empl. burden)	6	250	100.00	HR	\$23.53	\$2,353.00
3 foot poly foam seal	Polyurethane foam (CF, material cost only)	6	150	58.90	CF	\$7.78	\$458.11

Job Hours: 25.00

Total Cost: \$2,811.00

# **REVEGETATION WORK**

Г	Fask descrip	otion:	Revegetate 6 acr	es disturbed	area		
Site:	Last Cha	nce #3 & #4	Per	mit Action:	2024-02-16	Permit/Jol	o#: M2008012
<u>P</u>	ROJECT	IDENTIFIC	ATION				
	Task #:	08A	State:	Colorado		Abbreviation:	None
	Date:	2/16/2024	County:	Montrose		Filename:	08a
	User:	DMC					
	Age	ency or organiz	zation name:	MS			

# **FERTILIZING**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials	
			Cost/Acre	\$0.00

# Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

# **TILLING**

Description		Cost /Acre
Chisel plowing {DMG}		\$100.40
Weed control spraying (MEANS 31 31 16.13 3100)		\$338.80
	Total Tilling Cost/Acre	\$439.20

## **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	1.20	3.88	\$7.80
Sand Dropseed	0.04	4.78	\$0.39
Bottlebrush Squirreltail	3.20	14.10	\$51.92
Sandberg Bluegrass - VNS	0.60	12.74	\$5.04
Galleta	0.60	2.19	\$13.41
Western Wheatgrass - Arriba	5.60	14.14	\$36.40
Sweetvetch, Utah or Northern	0.20	0.09	\$15.00
Needle and Thread	0.80	2.11	\$33.48
Daisy or Sunflower, Maximillians	0.06	0.34	\$3.36

Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.06	0.08	\$0.75
Globemallow, Scarlet (or copper)	0.18	2.04	\$24.39
Winter Fat	0.10	0.25	\$2.05
Penstemon, Rocky Mountain	0.12	1.88	\$3.54
Yarrow, White	0.06	3.82	\$2.40
Totals Seed Mix	12.92	67.73	\$201.91

#### **Application**

Description		Cost /Acre
Broadcast seeding [DMG]		\$267.22
	Total Seed Application Cost/Acre	\$267.22

#### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

#### Application

Description		Cost /Acre
Power mulcher (MEANS 32 91 13.16 0350)		\$147.67
	<b>Total Mulch Application Cost/Acre</b>	\$147.67

### **NURSERY STOCK PLANTING**

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

#### JOB TIME AND COST

	No. of Acres: ed Failure Rate: ng Work Items:	 Cost /Acre: Cost /Acre*: IG,MULCHING	
Initial Job Cost:	· · · · · · · · · · · · · · · · · · ·		
Reseeding Job Cost:	\$2,873.36		
Total Job Cost:	\$14,367		
Job Hours:	6.00		

# EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description	on: <u>Mo</u>	bilize reclamation	n crew/equipm	ent			
: Last Chanc	e #3 & #4	Permit	Action: _2024-	02-16		Permit/Job#: <u>M</u>	2008012
PROJECT ID	DENTIFICATI	ON					
Task #: 0	09A	State: Co	olorado		Abbro	eviation: None	
	2/16/2024 DMC	County: Mo	ontrose		Fi	lename: 09a	
Agenc	cy or organization	n name: DRMS					
EQUIPMENT	<b>TRANSPOR</b>	<u>T RIG COST</u>					
					Shift ba		
				(	Cost Data Sou	rce: <u>CRG Da</u>	ta
Trı	uck Tractor Desc	ription: GENE	RIC ON-HIGH			DR, 6X4, DIESEL	POWERED,
					(2ND HALF,		
т.,	nualt Tracilar Daga	minitian.	ENEDIC EOLD	NIC COC	SENECV DI	DOD DECK EOU	IDMENT
Tr	ruck Trailer Desc	ription: G				ROP DECK EQUI	IPMENT
Tr	ruck Trailer Desc	ription: G			DSENECK, DI (25T, 50T, A)		IPMENT
Tr Cost Breakdowr		ription: G					IPMENT
Cost Breakdowr Available Rig	<u>n:</u> g Capacities	0-25 Tons	26-50 Tons	TRAILER	(25T, 50T, A) + Tons		IPMENT
Cost Breakdowr Available Rig Ownersl	<u>n:</u> <b>Capacities</b> hip Cost/Hour:	<b>0-25 Tons</b> \$20.26	<b>26-50 Tons</b> \$36.04	<u>FRAILER</u> 51- \$4	(25T, 50T, A) + Tons 47.05		IPMENT
Cost Breakdowr Available Rig Owners Operati	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour:	<b>0-25 Tons</b> \$20.26 \$39.51	<b>26-50 Tons</b> \$36.04 \$76.08	State           51-           \$2           \$3	(25T, 50T, A) + Tons 47.05 82.85		IPMENT
<u>Cost Breakdowr</u> Available Rig Ownersl Operati Opera	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: ttor Cost/Hour:	<b>0-25 Tons</b> \$20.26 \$39.51 \$22.52	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52	S1-           \$1-           \$2           \$2           \$3           \$3	(25T, 50T, A) + <b>Tons</b> 47.05 82.85 22.52		IPMENT
Cost Breakdowr Available Rig Owners Operati Opera Hel	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour:	<b>0-25 Tons</b> \$20.26 \$39.51	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53	S1-           \$1-           \$2           \$2           \$3           \$3	(25T, 50T, A) + Tons 47.05 82.85		IPMENT
Cost Breakdowr Available Rig Owners Operati Opera Hel	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: ttor Cost/Hour:	<b>0-25 Tons</b> \$20.26 \$39.51 \$22.52	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52	Si           \$:           \$:           \$:           \$:           \$:           \$:	(25T, 50T, A) + <b>Tons</b> 47.05 82.85 22.52		IPMENT
Cost Breakdowr Available Rig Ownersl Operati Opera Helj Total U	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour: Init Cost/Hour:	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53	Si           \$:           \$:           \$:           \$:           \$:           \$:	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53		IPMENT
Cost Breakdowr Available Rig Ownersl Operati Opera Hely Total U NON ROADA	n: <b>c Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour: Jnit Cost/Hour: ABLE EQUIPN	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT:	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17	S1-           \$1           \$1           \$1           \$1           \$1           \$1           \$1           \$1	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95	ND 100T)	
Cost Breakdowr Available Rig Ownersl Operati Opera Helj Total U NON ROADA Machine	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour: Init Cost/Hour:	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig	Fleet	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95 Haul Trip	ND 100T)	DOT Permit
Cost Breakdowr Available Rig Ownersl Operati Opera Hely Total U NON ROADA	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: ttor Cost/Hour: per Cost/Hour: Init Cost/Hour: <b>MBLE EQUIPN</b> Weight/ Unit	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT:	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17	S1-           \$1           \$1           \$1           \$1           \$1           \$1           \$1           \$1	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95 Haul Trip Cost/hr/	ND 100T)	
Cost Breakdowr Available Rig Ownersl Operati Opera Helj Total U NON ROADA Machine Description	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: ttor Cost/Hour: per Cost/Hour: Jnit Cost/Hour: <b>MBLE EQUIPN</b> Weight/ Unit (TONS)	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit	<b>26-50 Tons</b> \$36.04 \$76.08 \$22.52 \$23.53 \$158.17 Haul Rig Cost/hr/uni t	Fleet Size	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95 Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cost Breakdowr Available Rig Ownersl Operati Opera Helj Total U NON ROADA Machine Description CAT 246C	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour: Init Cost/Hour: <b>MBLE EQUIPN</b> Weight/ Unit (TONS) 3.58	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit           \$30.84	26-50 Tons           \$36.04           \$76.08           \$22.52           \$23.53           \$158.17           Haul Rig           Cost/hr/uni           t           \$82.29	51-       \$1       \$1       \$1	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95 Haul Trip Cost/hr/ fleet \$113.13	Return Trip Cost/hr/ fleet \$82.29	DOT Permit Cost/ fleet \$250.00
Cost Breakdowr Available Rig Ownersl Operati Opera Helj Total U NON ROADA Machine Description CAT 246C Cat D8T - 8SU	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour: Init Cost/Hour: <b>MBLE EQUIPN</b> Weight/ Unit (TONS) 3.58 53.08	0-25 Tons \$20.26 \$39.51 \$22.52 \$0.00 \$82.29 MENT: Owner ship Cost/hr/ unit \$30.84 \$255.49	26-50 Tons           \$36.04           \$76.08           \$22.52           \$23.53           \$158.17           Haul Rig           Cost/hr/uni           t           \$82.29           \$175.95	Fleet Size	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95 Haul Trip Cost/hr/ fleet \$113.13 \$431.44	Return Trip Cost/hr/ fleet \$82.29 \$175.95	DOT Permit Cost/ fleet \$250.00 \$250.00
Cost Breakdowr Available Rig Ownersl Operati Opera Helj Total U NON ROADA Machine Description CAT 246C	n: <b>Capacities</b> hip Cost/Hour: ing Cost/Hour: tor Cost/Hour: per Cost/Hour: Init Cost/Hour: <b>ABLE EQUIPN</b> Weight/ Unit (TONS) 3.58 53.08	0-25 Tons           \$20.26           \$39.51           \$22.52           \$0.00           \$82.29           MENT:           Owner ship           Cost/hr/ unit           \$30.84	26-50 Tons           \$36.04           \$76.08           \$22.52           \$23.53           \$158.17           Haul Rig           Cost/hr/uni           t           \$82.29	51-       \$1       \$1       \$1	(25T, 50T, A) + Tons 47.05 82.85 22.52 23.53 75.95 Haul Trip Cost/hr/ fleet \$113.13	Return Trip Cost/hr/ fleet \$82.29	DOT Permit Cost/ fleet \$250.00

Subtotals: \$741.82 \$422.82 \$1,000.00

### **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.	\$15.83	1	\$15.83	\$15.83
Subtotals: <b>\$15.83 \$15.83</b>				\$15.83

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: Total one-way travel distance: Average Travel Speed:	NATURITA/NUCLA 20.00 35.00	miles mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$4,814.66	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$18.09	_

Transportation Cycle Time:

Haul Time (Hours): Return Time (Hours): Loading Time (Hours): Unloading Time (Hours):	Non- Roadable Equipment 0.57 0.57 0.50 0.50	Roadable Equipment 0.57 0.57 NA NA NA
Subtotals:	2.14	1.14

#### JOB TIME AND COST

Total job time: 4.29 Hours

Total job cost: **\$4,833**