

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:
Ft. Garland Pit	M-2008-085	Gravel and sand	Costilla
<b>INSPECTION TYPE:</b>	INSPECTOR(S):	INSP. DATE:	INSP. TIME:
Monitoring	Wallace H. Erickson	May 14, 2013	09:45
OPERATOR:	<b>OPERATOR REPRESENTATIVE:</b>	TYPE OF OPERA	TION:
Asphalt Constructors, Inc.	Todd Stockebrand	112c - Construction	Regular Operation
<b>REASON FOR INSPECTION:</b>	BOND CALCULATION TYPE:	BOND AMOUNT	•
Normal I&E Program	Complete Bond	\$17,790.00	
DATE OF COMPLAINT:	POST INSP. CONTACTS:	JOINT INSP. AG	ENCY:
NA	None	None	
WEATHER:	INSPECTOR'S SIGNATURE:	SIGNATURE DA	ГЕ:
Cloudy	Wallace of El	May 16, 2013	

## **GENERAL INSPECTION TOPICS**

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

(AR) RECORDS <u>Y</u>	(FN) FINANCIAL WARRANTY Y	(RD) ROADS <u>Y</u>
(HB) HYDROLOGIC BALANCE	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>NA</u>
(PW) PROCESSING WASTE/TAILING Y	(SF) PROCESSING FACILITIES Y	(TS) TOPSOIL <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- $\underline{Y}$	(FW) FISH & WILDLIFE Y	(RV) REVEGETATION <u>Y</u>
(SM) SIGNS AND MARKERS Y	(SP) STORM WATER MGT PLAN <u>N</u>	(SB) COMPLETE INSP $\underline{Y}$
(ES) OVERBURDEN/DEV. WASTE <u>Y</u>	(SC) EROSION/SEDIMENTATION Y	(RS) RECL PLAN/COMP Y
(AT) ACID OR TOXIC MATERIALS Y	·	

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

#### **OBSERVATIONS**

This inspection occurred as part of the Division's routine monitoring plan for permitted operations. The 112c permit is approved for 23.3 acres affected lands for the excavation and processing of construction materials. On-site processing will include crushing, screening, and production of asphalt products. Affected lands will be reclaimed to support rangeland post-mining land use. The Division holds \$17,790 financial warranty. This report is accompanied by two updated reclamation cost estimations, one assuming five acres affected lands and totaling \$11,687.47, and the second assuming three acres affected lands and totaling \$8,506.93.

Mining activities have not commenced. There appeared no affected lands anywhere within the permit boundary. Site conditions appeared unchanged since the pre-operational inspection occurring on March 4, 2009. Pursuant to Rule 1.13.3(2), since mining activities have not commenced the operation is exempt from the requirements of Rule 1.13, regarding Temporary Cessation status. The requirements of Rule 1.13 will not apply until after the commencement of the mining operation and the creation of a mining related surface disturbance (see Rule 1.1(3) for the definition of "affected land").

Pursuant to Rule 4.2.1(4), the amount of financial warranty required by the Division shall not exceed the cost of reclaiming all current affected lands and any lands which could be affected within one year. The original reclamation cost estimation, totaling \$17,790, assumed 10 acres affected land. As noted above the mining operation has not commenced and the \$17,790 financial warranty appears excessive pursuant to Rule 4.2.1(4). However, given the fact a permit has been issued the mining operation could commence at any time and the Division must require an appropriate and adequate financial warranty. Therefore, the Division has calculated the current cost of reclamation based on the following two scenarios:

- 1. The first scenario assumes the mining operation may commence with on-site processing and creating not more than five acres affected lands within the first year of operations. The reclamation cost estimation for the five acre limitation is dated May 15, 2013, and totals \$11,687.47.
- 2. The second scenario assumes the mining operation may commence but creates not more than three acres affected lands within the first year of operations. The reclamation cost estimation for the three acre limitation is dated May 16, 2013, and totals \$8,506.93.

The existing \$17,790 financial warranty is more than adequate to ensure the completion of reclamation. If the Operator desires to reduce the financial warranty please submit a request for surety reduction in accordance with Rule 4.14. Pursuant to Rule 4.14.1(2)(b), such request must include an estimate of the actual cost to reclaim the site based on what it would cost an independent contractor to complete reclamation. The two reclamation cost estimations prepared by the Division and enclosed with this report satisfy the requirements of Rule 4.14.1(2)(b). Therefore, the Division will accept a copy of either of the enclosed reclamation cost estimations with the request for surety reduction, if the Operator chooses to submit such a request.

Response to this report should be addressed to Wally Erickson at the Division's office in Durango at 691 County Road 233, Suite A-2, Durango, CO 81301, phone (970) 247-5469.

#### **Inspection Contact Address**

Todd StockebrandEnclosures: Reclamation estimation dated 5/15/13, totaling \$11,687.47.Asphalt Constructors, Inc.Reclamation estimation dated 5/16/13, totaling \$8,506.93.7040 Hwy 160 Westec w/enslosures:Russ Means, DRMS GJFO

# COST SUMMARY WORK

	Task description: Summary of reclamation t	asks and costs			
Site	Ft. Garland Pit Permit Action	Routine bond	update	Permit/Jo	b#: <u>M2008085</u>
	PROJECT IDENTIFICATION				
	Task #: 000 State: Colorad	0		Abbreviatio	n: None
	Date: 5/15/2013 County: Costilla	<u> </u>		Filenam	
	User: WHE			i nonani	
	Agency or organization name: DRMS				
	TASK LIST (DIRECT COSTS)		`		
Task		Form	Fleet	Task	
	Description	<u>Used</u>	Size	Hours	Cost
001	Rough grade, slope reduction, 5 acres area	DOZER	1	8.35	\$2,170.92
002	Topsoil replacement 0.25 feet deep, 5 acres area Revegetate 5 acres affected lands	DOZER		5.54	\$1,438.92
003 004	Haul reclamation equipment to and from job site	REVEGE MOBILIZE		0.00	\$2,629.63
004	That reclamation equipment to and nom job site	MOBILIZE	1	4.00	\$3,183.66
		<u>SUBTO</u>	TALS:	17.89	\$ \$9,423.13
	INDIRECT COSTS	<u> </u>			
	OVERHEAD AND PROFIT:				
	Liability insurance: 2.02			Total =	\$190.35
	Performance bond: 1.05			Total =	\$98.94
	Job superintendent: 0.00			Total =	\$0.00
	Profit: 10.00			Total =	\$942.31
				ALO&P =	\$1,231.60
	COl	NTRACT AMOUN	NT (direc	$t + O \& P) = $ _	\$10,654.73
	LEGAL - ENGINEERING - PROJECT MANAGEMEN	T:			
	Financial warranty processing (legal/related costs):	500.00		Total =	500.00
	Engineering work and/or contract/bid preparation:	0.00		Total =	\$0.00
	Reclamation management and/or administration:	5.00			\$532.74
	CONTINGENCY:	0.00		Total = _	\$0.00
		TOTAL	INDIRE	CT COST =	\$2,264.34
	TOTAL B	OND AMOUNT	(direct +	indirect) = _	\$11,687.47

Task description:	Rough grade, s	lope reductio	on, 5 acres area		
: <u>Ft. Garland Pit</u>	Pe	rmit Action:	Routine bond update	Permit/Job#:	M2008085
PROJECT IDENTI	FICATION				
Task #: 001	State:	Colorado		Abbreviation:	None
Date: 5/15/2013	Gounty:	Costilla		Filename:	M085-001
User: WHE		*******		-	
Agency or org	anization name: D	RMS			
HOURLY EQUIPM			<u> </u>		
	at D9T - 9U				
	05	······································			
	niversal				
•	-shank ripper				
	per day				
	CRG)		······		
Cost Breakdown:			_		
			Utilization %		
Ownership Cost/Hour:	\$78.33	3	NA		
Operating Cost/Hour:			100		
Ripper op. Cost/Hour:			25		
Operator Cost/Hour:			NA		
-					
Total unit Cost/Hour: Total Fleet Cost/Hour:	\$259.86 \$259.86				
MATERIAL QUAN Initial Volume: <u>8,0</u> Swell factor: <u>1.0</u> Loose volume: <b>8,0</b>	67				
Loose volume: <u>8,0</u>	0/1.04				
Source of estimated volu		560sf/ac)(1'E	0) / 27 = 8066.67 cy		
Source of estimated swe	Il factor: <u>NA</u>				
HOURLY PRODUC	TION				
Average push distance: Unadjusted hourly produ	50 feet 1ction: 2,222.9 LC	Y/hr			
Materials consistency de		consolidated	stockpile 1.1		
		******		······································	
Average push gradient:	<u>0%</u>	<u></u>			
Average site altitude:	7,840 feet				
Material weight:	2,900 lbs/LCY			-	
Weight description:	Decomposed rock	- 50% Rock,	50% Earth		
Job Condition Correction	n Factor		Source		
Operator	~ <u>~</u>	.750	(AVG.)		
Material consist		.100	(CAT HB)		
Dozing me			(GEN.)		
1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	ernoa:	.000			

Visibili	ity:	1.000	(AVG.)
Job efficien	cy:	0.830	(1 SHIFT/DAY)
Spoil p	ile:	0.800	(FND-RF)
Push gradie	ent:	1.000	(CAT HB)
Altitu	de:	1.000	(CAT HB)
Material Weig	ht:	0.793	(CAT HB)
Blade ty	pe:	1.000	(PAT)
Net correction	on:	0.4344	
Adjusted unit production:	96	5.63 LCY/hr	
Adjusted fleet production:	96	5.63 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.269/LCY

Total job time:	8.35 Hours
Total job cost:	\$2,170.92

Ft. Garland Pit	Permit Action:	Routine bond update	Permit/Job#:	_M2008085
PROJECT IDENTIF	ICATION			
Task #: 002	State: Colorado		Abbreviation:	None
Date: $5/15/2013$	County: Costilla		Filename:	M085-002
User: WHE	County		i nonanio.	11005-002
· · · · ·				
Agency or orga	nization name: <u>DRMS</u>			
HOURLY EQUIPMI	ENT COST			
Basic Machine: Ca	t D9T - 9U			
Horsepower: 40:				
P1	iversal			
Attachment: <u>3-s</u>	hank ripper			
	er day			
Data Source: (Cl	RG)			
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$78.33	NA		
Operating Cost/Hour:	\$142.13	100		
Ripper op. Cost/Hour:	\$1.99	25		
Operator Cost/Hour:	\$37.41	NA		
'otal unit Cost/Hour:	\$259.86			
otal Fleet Cost/Hour:	\$259.86			
'otal Fleet Cost/Hour: <u>IATERIAL QUANT</u>				
Initial Volume: _2,01	<u>TITIES</u> 7			
Initial Volume: 2,01 Swell factor: 1.00	<b>TTTIES</b> 7 0			
Initial Volume: 2,01 Swell factor: 1.00	<u>TITIES</u> 7			
Initial Volume:2,01Swell factor:1.00Loose volume:2,01	T <b>TTIES</b> 7 0 7 LCY	$5^{\circ}$ D) / 27 = 2016.67 cy		
Initial Volume: 2,01 Swell factor: 1.00	7         0         7 LCY         me:       _(5ac)(43560sf/ac)(0.2)	5'D) / 27 = 2016.67 cy		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volume	7         0         7 LCY         me:       _(5ac)(43560sf/ac)(0.2)	5'D) / 27 = 2016.67 cy		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volumource of estimated swell	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA	5'D) / 27 = 2016.67 cy		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated swell         IOURLY PRODUCT	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         I factor:       NA         TION	5'D) / 27 = 2016.67 cy		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated volum         OURLY PRODUCT         verage push distance:	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         TION         200 feet	5'D) / 27 = 2016.67 cy		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated swell         IOURLY PRODUCT	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         TION         200 feet	5'D) / 27 = 2016.67 cy		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated swell         IOURLY PRODUCT         verage push distance:         nadjusted hourly product	200         200         200         200         200         feet         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated volum         OURLY PRODUCT         verage push distance:	200         200         200         200         200         feet         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volumource of estimated swell         OURLY PRODUCT         verage push distance:         nadjusted hourly product         Iaterials consistency destail	7       0         0       7         7 LCY       7         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         I factor:       NA <b>FION</b> 200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum       2,01         ource of estimated volum       0         ource of estimated swell       0         IOURLY PRODUCT       0         verage push distance:       0         Inadjusted hourly product       0         Iaterials consistency destruction       0         verage push gradient:       0	7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         FION         ction:       200 feet         ction:       737.1 LCY/hr         ecription:       Partly consolidated         0 %			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volumource of estimated swell         OURLY PRODUCT         verage push distance:         nadjusted hourly product         Interials consistency destail	7       0         0       7         7 LCY       7         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         I factor:       NA <b>FION</b> 200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated volum         ource of estimated swell         IOURLY PRODUCT         verage push distance:         nadjusted hourly product         Iaterials consistency dest         verage push gradient:         verage site altitude:	7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         CION         ction:       200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated         0 %       7,840 feet			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum       2,01         ource of estimated volum       0         ource of estimated swell       0         IOURLY PRODUCT       0         verage push distance:       0         Inadjusted hourly product       0         Iaterials consistency destruction       0         verage push gradient:       0	7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         FION         ction:       200 feet         ction:       737.1 LCY/hr         ecription:       Partly consolidated         0 %			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated volum         ource of estimated swell         IOURLY PRODUCT         verage push distance:         nadjusted hourly product         Iaterials consistency dest         verage push gradient:         verage site altitude:	7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         CION         ction:       200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated         0 %       7,840 feet			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volumource of estimated swell         IOURLY PRODUCT         verage push distance:         nadjusted hourly product         Iaterials consistency destiverage site altitude:         Verage site altitude:         Verage fush gradient:         verage fush gradient:         verage site altitude:         Verage site altitude:	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         CION         ction:       200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated         0 %       7,840 feet         2,550 lbs/LCY       Earth - Dry packed			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volumource of estimated volumource of estimated swell         IOURLY PRODUCT         verage push distance:         nadjusted hourly product         Iaterials consistency des         verage push gradient:         verage site altitude:         Iaterial weight:         Veight description:         ob Condition Correction	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         TION         ction:       200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated         0 %       7,840 feet         2,550 lbs/LCY       Earth - Dry packed         Factor       Factor	stockpile 1.1		
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volum         ource of estimated volum         ource of estimated swell         IOURLY PRODUCT         verage push distance:         Inadjusted hourly product         Iaterials consistency des         verage push gradient:         verage site altitude:         Iaterial weight:         Veight description:         ob Condition Correction         Operator S	TTIES         7         0         7 LCY         me:       (5ac)(43560sf/ac)(0.2         1 factor:       NA         TION         ction:       200 feet         ction:       737.1 LCY/hr         scription:       Partly consolidated         0 %			
Initial Volume:       2,01         Swell factor:       1.00         Loose volume:       2,01         ource of estimated volumource of estimated volumource of estimated swell         IOURLY PRODUCT         verage push distance:         nadjusted hourly product         Iaterials consistency des         verage push gradient:         verage site altitude:         Iaterial weight:         Veight description:         ob Condition Correction	7       0         7       0         7       7         0       7         7       0         7       0         7       0         7       0         7       0         7       0         7       1         Partly consolidated       0%         0 %       7,840 feet         2,550 lbs/LCY       Earth - Dry packed         Factor       Skill:       0.750         scrip:       1.100	stockpile 1.1	······	

Visibili	y: <u>1.000</u>	00 (AVG.)
Job efficience	y: 0.830	30 (1 SHIFT/DAY)
Spoil pi	le: 0.800	00 (FND-RF)
Push gradie	nt: 1.000	00 (CAT HB)
Altitud	le: 1.000	00 (CAT HB)
Material Weigl	nt: 0.902	)2 (CAT HB)
Blade typ	e: 1.000	00 (PAT)
Net correction	n:0.4941	
Adjusted unit production:	364.20 LCY/hr	
Adjusted fleet production:	364.2 LCY/hr	

Fleet size:	1 Dozer(s)
Unit cost:	\$0.714/LCY

Total job time:	5.54 Hours
Total job cost:	\$1,438.92

## **REVEGETATION WORK**

Ft. Garl	and Pit	Per	mit Action: <u>Re</u>	outine bond update	Permit/Job#	: M2008085
ROJEC	<u>T IDENTIFI</u>	CATION				
Task #: Date: User:	003 5/15/2013 WHE	State: County:	Colorado Costilla		Abbreviation: Filename:	None M085-003
A	gency or organ	ization name: DI	RMS			
ERTILI		ization name: <u>D</u> I	RMS			
ERTILI	ZING	ization name: <u>D</u>	RMS Units / Acre	Unit	Cost / Unit	Cost /Acre
ERTILI Aaterials	ZING	ization name: DI	Units /	Unit	Cost / Unit \$	Cost /Acre \$

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

#### **TILLING**

Description		Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$98.01
Tot	al Tilling Cost/Acre	\$98.01

# **SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.50	8.16	\$5.18
Indian Ricegrass - Native	1.00	3.24	\$6.74
Sand Dropseed	0.05	5.97	\$0.35
Bottlebrush Squirreltail	1.00	4.41	\$24.86
Rabbitbrush, Rubber	0.25	3.72	\$9.15
Needle and Thread	1.25	3.30	\$58.74
Western Wheatgrass - Native	3.00	7.58	\$9.12
Sagebrush, Wyoming Big	0.02	1.18	\$0.71
Spike Muhly	0.12	4.41	\$1.10
Winter Fat	1.25	3.19	\$40.86

,	Totals Seed Mix	8.44	45.15	\$156.80

# Application Cost /Acre Description \$88.20 Drill seeding (DRMS Cost Data) \$88.20

Total Seed Application Cost/Acre \$88.20

#### **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$16.24	\$16.24
Total Mulch Materials Cost/Acre				\$16.24

Application

Description	Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]	\$61.49
Total Mulch Application Cost/Acre	\$61.49

#### NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
		1,			\$
		Tot	als Nursery Stoc	k Cost / Acre	\$0.00

#### JOB TIME AND COST

	No. of Acres:	5	Cost /Acre:	\$420.74
Estimat	ed Failure Rate:	25%	Cost /Acre*:	\$420.74
*Selected Replanti	ng Work Items:	TILLING, SEEDING, MULCHIN	IG	
Initial Job Cost:	\$2,103.70			
Reseeding Job Cost:	\$525.93			
CT . 1 T 1 C .	AA (AA /A			

 Total Job Cost:
 \$2,629.63

 Job Hours:
 0.00

## EQUIPMENT MOBILIZATION/DEMOBILIZATION

: <u>Ft. Garland Pi</u>	t	Permit .	Action: Routin	e bond up	date Pe	ermit/Job#:	M200	8085
PROJECT IDE	NTIFICAT	ION						
Task #: 004		State: Co	olorado		Abbr	reviation:	None	
	5/2013	County: Co	ostilla		F	Filename:	M085-	004
User: <u>WH</u>	E							
Agency	or organization	n name:DRMS	) 					
EQUIPMENT '	<b>FRANSPOR</b>	RT RIG COST						
					Shift ba	asis: 1	l per day	,
					Cost Data Sou		CRG Data	
Tranal	Tractor Desc	rintion CEN	ERIC ON-HIGH			 	MEGET I	
11008	Tractor Desc	anpuon. Gen.	EKIC ON-HIGH		2 (2ND HALF,		NESEL I	POWERED,
True	k Trailer Desc	rintion GENE	RIC FOI DING				TIDMEN	TTDAILED
Truc	k Trailer Desc	ription: GENE	RIC FOLDING	GOOSEN	ECK, DROP I	DECK EQU	JIPMEN	T TRAILER
	k Trailer Desc	ription: GENE	ERIC FOLDING	GOOSEN		DECK EQU	JIPMEN	T TRAILER
	k Trailer Desc	ription: GENE	RIC FOLDING	GOOSEN	ECK, DROP I	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown:		o-25 Tons	ERIC FOLDING	GOOSEN (25T	ECK, DROP I	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca		-	· · · · · ·	GOOSEN (25T	ECK, DROP I ', 50T, AND 10	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership	pacities	0-25 Tons	26-50 Tons	GOOSEN (25T 51 \$	ECK, DROP I ', 50T, AND 10 + Tons	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership Operating Operator	pacities Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63	<b>26-50 Tons</b> \$18.37	GOOSEN (25T 51- \$ \$ \$ \$ \$	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38	<b>26-50 Tons</b> \$18.37 \$46.13	GOOSEN (25T 51- \$ \$ \$ \$ \$	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66	GOOSEN (25T 51 \$ \$ \$ \$ \$ \$ \$ \$	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39	GOOSEN (25T 51 \$ \$ \$ \$ \$ \$ \$ \$	ECK, DROP I 50T, AND 10 + Tons 22.33 50.07 27.66 25.39	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39	GOOSEN (25T 51 \$ \$ \$ \$ \$ \$ \$ \$	ECK, DROP I 50T, AND 10 + Tons 22.33 50.07 27.66 25.39	DECK EQU	JIPMEN	T TRAILER
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39	GOOSEN (25T 51 \$ \$ \$ \$ \$ \$ \$ \$	ECK, DROP I 50T, AND 10 + Tons 22.33 50.07 27.66 25.39	DECK EQU DOT)	Trip	
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT:	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55	GOOSEN (25T 51- \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	ECK, DROP I 5, 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45	DECK EQU	Trip	
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine	pacities Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour: Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig	GOOSEN (25T 51- \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45   Haul Trip	DECK EQU DOT)	Trip	DOT Permi
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description	pacities         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Ost/Hour:         Weight/         Unit	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig	GOOSEN (25T 51- \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Haul Trip Cost/hr/	DECK EQU DOT)	Trip	DOT Permi
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper Total Unit NON ROADAB Machine Description Cat D9T - 9U	pacities         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Ost/Hour:         Weight/         Unit         (TONS)	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	GOOSEN (25T 51 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Haul Trip Cost/hr/ fleet	DECK EQU DOT) Return 1 Cost/hr/	Trip	DOT Permi Cost/ fleet
Cost Breakdown: Available Rig Ca Ownership Operating Operator Helper	pacities         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Cost/Hour:         Weight/         Unit         (TONS)         66.78	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$78.33	26-50 Tons \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45	GOOSEN (25T \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Heck, DROP I 507, AND 10 + Tons 22.33 50.07 27.66 25.39 25.45 Haul Trip Cost/hr/ fleet \$203.78	DECK EQU DOT) Return 7 Cost/hr/ \$125.45	Trip	DOT Permi Cost/ fleet \$250.00

# **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
		Subtotals:	\$0.00	\$0.00

### **EQUIPMENT HAUL DISTANCE and Time**

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Nearest Major City or Town within project area region: Total one-way travel distance:	ALAMOSA 30.00	miles
Average Travel Speed:	60.00	mph
Total Non-Roadable Mob/Demob Cost *	\$3,183.66	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	LAAS Anno 1999

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.50	0.50
Return Time (Hours):	0.50	0.50
Loading Time (Hours):	0.50	NA
Inloading Time (Hours):	0.50	NA
Subtotals:	2.00	1.00

#### JOB TIME AND COST

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Total job time: 4.00 Hours

Total job cost: \$3,183.66

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# COST SUMMARY WORK

1	Task description:	Summary of tasks and cos	ts for 3 acres are	ea			
Site:	Ft. Garland Pit	Permit Action	Assume 3 acro affected lands		Permit/Job	#: <u>M2008085</u>	******
]	PROJECT IDENTIFIC	CATION					
	Task #:         01A           Date:         5/16/2013           User:         WHE	Colorade Colorade Colorade County: Costilla	>		Abbreviation: Filename:		
	Agency or organiz	zation name:			······································		
2	TASK LIST (DIRECT	<u>COSTS)</u>					
Task	Description		Form Used	Fleet Size	Task Hours	Cost	
005		uction, 3 acres affected land	DOZER	1	6.85	\$1,411.47	
006	Topsoil replacement 0.	25 feet deep, 3 acres area	DOZER	1	2.99	\$617.27	
007	Revegetate 3 acres affe	cted lands	REVEGE	1	0.00	\$1,577.78	
008	Haul reclamation equip	ment to and from job site	MOBILIZE	1	4.00	\$3,137.67	
		-	SUBT	OTALS:	13.84	\$ \$6,744.19	

## **INDIRECT COSTS**

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

Liability insurance:	2.02	Total =	\$136.23
Performance bond:	1.05	Total =	\$70.81
Job superintendent:	0.00	Total =	\$0.00
Profit:	10.00	Total =	\$674.42
		TOTAL O & $P =$	\$881.46
		CONTRACT AMOUNT (direct + O & P) = $($	\$7,625.65

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	500.00	Total =	500.00	
Engineering work and/or contract/bid preparation:	0.00	Total =	\$0.00	
Reclamation management and/or administration:	5.00		\$381.28	
CONTINGENCY:	0.00	Total =	\$0.00	
	TOTAL	INDIRECT COST =	\$1,762.74	
TOTAL B	OND AMOUNT	(direct + indirect) =	\$8,506.93	

	Ft. Garland Pit	Perr	mit Action:	Assume 3 acres affected lands	Permit/Job#:	M2008085
Task #:       005       State:       Colorado       Abbreviation:       None         Date:       5/16/2013       County:       Costilla       Filename:       M085-005         User:       WHE       Agency or organization name:       DRMS       DRMS         HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U         Horsepower:       310       Blade Type:       Universal         Attachment:       3-shank ripper       Shift Basis:       1 per day         Data Source:       (CRG)       Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$104.06       100       NA         Operating Cost/Hour:       \$104.06       100       Ripper op. Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11       State:       State	PROJECT IDENTI	FICATION				
Date:       5/16/2013       County:       Costilla       Filename:       M085-005         User:       WHE       Agency or organization name:       DRMS       DRMS         HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U       Horsepower:       310         Blade Type:       Universal       Hoursepower:       Attachment:       3-shank ripper         Shift Basis:       1 per day       CORG       Cost Breakdown:       CCRG)         Cost Breakdown:       (CRG)       NA       Operating Cost/Hour:       \$104.06       100         Operating Cost/Hour:       \$1.63       25       Operator Cost/Hour:       \$206.11         Total unit Cost/Hour:       \$206.11       NA         MATERIAL QUANTITIES       Initial Volume:       4,840         Swell factor:       1.000       Loose volume:       4,840 LCY			Colorado		Abbreviation	None
User:       WHE         Agency or organization name:       DRMS         HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$206.11       NA         Total unit Cost/Hour:       \$206.11       NA         MATERIAL QUANTITIES       Initial Volume:       4,840         Swell factor:       1.000       1000         Loose volume:       4,840 LCY       1000					-	
HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$206.11       NA         Total unit Cost/Hour:       \$206.11       NA         MATERIAL QUANTITIES       Initial Volume:       4,840         Swell factor:       1.000       Loose volume:         Loose volume:       4,840 LCY		<u></u> County.	Costilia		i noname.	141000-000
Basic Machine:       Cat D&T - &         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$206.11       NA         Total unit Cost/Hour:       \$206.11       NA         MATERIAL OUANTITIES       Initial Volume:       4,840         Swell factor:       1.000       Loose volume:         Loose volume:       4,840 LCY       1.000	Agency or org	ganization name:	LMS			
Basic Machine:       Cat D&T - &U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY	HOURLY EQUIPM	IENT COST				
Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY						
Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Utilization %         Cost Breakdown:         Ownership Cost/Hour:       \$63.00         NA       NA         Operating Cost/Hour:       \$104.06         Ripper op. Cost/Hour:       \$1.63         Operator Cost/Hour:       \$37.41         NA       NA         Total unit Cost/Hour:       \$206.11         Total Unit Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY						
Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       (CRG)         Ownership Cost/Hour:       \$63.00         Operating Cost/Hour:       \$63.00         Ripper op. Cost/Hour:       \$104.06         Operator Cost/Hour:       \$1.63         Operator Cost/Hour:       \$37.41         NA       NA         Total unit Cost/Hour:       \$206.11         Static Fleet Cost/Hour:       \$206.11         MATERIAL OUANTITIES       Initial Volume:         Initial Volume:       4,840         Loose volume:       4,840 LCY	A					
Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY	· · · · · · · · · · · · · · · · · · ·		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u></u>		
Data Source:         (CRG)           Cost Breakdown:         Utilization %           Ownership Cost/Hour:         \$63.00         NA           Operating Cost/Hour:         \$104.06         100           Ripper op. Cost/Hour:         \$1.63         25           Operator Cost/Hour:         \$37.41         NA           Total unit Cost/Hour:         \$206.11         S206.11           Total Fleet Cost/Hour:         \$206.11         S206.11           MATERIAL QUANTITIES         Initial Volume:         4,840           Swell factor:         1.000         Loose volume:         4,840 LCY						
Cost Breakdown:         Utilization %           Ownership Cost/Hour:         \$63.00         NA           Operating Cost/Hour:         \$104.06         100           Ripper op. Cost/Hour:         \$1.63         25           Operator Cost/Hour:         \$37.41         NA           Total unit Cost/Hour:         \$206.11         S206.11           Total Fleet Cost/Hour:         \$206.11         S206.11           MATERIAL QUANTITIES         Initial Volume:         4,840           Swell factor:         1.000         Loose volume:         4,840 LCY						
Utilization %           Ownership Cost/Hour:         \$63.00         NA           Operating Cost/Hour:         \$104.06         100           Ripper op. Cost/Hour:         \$1.63         25           Operator Cost/Hour:         \$37.41         NA           Total unit Cost/Hour:         \$206.11         S206.11           Total Fleet Cost/Hour:         \$206.11         S206.11           MATERIAL QUANTITIES         Initial Volume:         4,840           Swell factor:         1.000         Loose volume:         4,840 LCY		<u> </u>		******		
Ownership Cost/Hour:         \$63.00         NA           Operating Cost/Hour:         \$104.06         100           Ripper op. Cost/Hour:         \$1.63         25           Operator Cost/Hour:         \$37.41         NA           Total unit Cost/Hour:         \$206.11         NA           Total Fleet Cost/Hour:         \$206.11         Summer Cost/Hour:           MATERIAL OUANTITIES         Initial Volume:         4,840           Swell factor:         1.000         Loose volume:	Cost Breakdown:					
Operating Cost/Hour:         \$104.06         100           Ripper op. Cost/Hour:         \$1.63         25           Operator Cost/Hour:         \$37.41         NA           Total unit Cost/Hour:         \$206.11         S206.11           MATERIAL QUANTITIES         Initial Volume:         4,840           Swell factor:         1.000         Loose volume:						
Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY						
Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY						
Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY		······································		25		
Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES         Initial Volume:       4,840         Swell factor:       1.000         Loose volume:       4,840 LCY	Operator Cost/Hour					
	Total unit Cost/Hour: Total Fleet Cost/Hour:	\$206.11 <b>\$206.11</b>		NA		
	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8	\$206.11 \$206.11 \$TITIES \$40 \$00 \$40 LCY hume:(3ac)(435)				
HOURLY PRODUCTION	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated swe	\$206.11 \$206.11 \$206.11 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC	\$206.11 \$206.11 \$206.11 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
Average push distance:50 feet	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC	\$206.11 \$206.11 \$206.11 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC	\$206.11 \$206.11 \$206.11 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
Average push distance:50 feet	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod	\$206.11 \$206.11 \$206.11 \$340 \$340 \$340 \$206.11 \$340 \$340 \$340 \$206.11 \$340 \$350 \$35	//hr	•) / 27 = 4840 cy		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly prod	\$206.11           \$206.11           \$206.11           \$206.11           \$340           341           342           343           344           344           345           346           347           348           349           349           340           340           341           342 <td>//hr</td> <td>•) / 27 = 4840 cy</td> <td></td> <td></td>	//hr	•) / 27 = 4840 cy		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       0 %	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency do Average push gradient:	\$206.11 \$206.11 \$206.11 \$340 \$340 \$340 \$200 \$340 \$206.11 \$340 \$340 \$340 \$206.11 \$340 \$357 \$340 \$34	//hr	•) / 27 = 4840 cy		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       0 %	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly prod	\$206.11 \$206.11 \$206.11 \$340 \$340 \$340 \$200 \$340 \$206.11 \$340 \$340 \$340 \$206.11 \$340 \$357 \$340 \$34	//hr	•) / 27 = 4840 cy		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       0 %         Average site altitude:       7,840 feet	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL OUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swee HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency do Average push gradient:	\$206.11           \$206.11           \$206.11           \$206.11           \$340           341           342           343           3440           3440           340<	//hr	•) / 27 = 4840 cy		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       0 %         Average site altitude:       7,840 feet         Material weight:       2,900 lbs/LCY	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude:	\$206.11 \$200 \$20	//hr onsolidated	b) / 27 = 4840 cy stockpile 1.1		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       0 %         Average site altitude:       7,840 feet         Material weight:       2,900 lbs/LCY         Weight description:       Decomposed rock - 50% Rock, 50% Earth	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description:	\$206.11 \$200 \$200 \$200 \$200 [bs/LCY \$200 [bs/LCY \$2,900 [bs/LCY \$2,900 [bs/LCY \$2,900 [bs/LCY	//hr onsolidated	b) / 27 = 4840 cy stockpile 1.1 50% Earth		
Average push distance:       50 feet         Unadjusted hourly production:       1,627.0 LCY/hr         Materials consistency description:       Partly consolidated stockpile 1.1         Average push gradient:       0 %         Average site altitude:       7,840 feet         Material weight:       2,900 lbs/LCY	Total unit Cost/Hour: Total Fleet Cost/Hour: MATERIAL QUAN Initial Volume: 4,8 Swell factor: 1.0 Loose volume: 4,8 Source of estimated vol Source of estimated vol Source of estimated swe HOURLY PRODUC Average push distance: Unadjusted hourly prod Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description: Lob Condition Correctio	\$206.11 \$200 \$200 \$200(435) \$200(45) \$2	//hr onsolidated 	b) / 27 = 4840 cy b) / 27 = 4840 cy stockpile 1.1 50% Earth Source		

Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Adjusted unit production:	706.77 LCY/hr
Adjusted fleet production:	706.77 LCY/hr

# JOB TIME AND COST

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Fleet size:	1 Dozer(s)
Unit cost:	\$0.292/LCY

Total job time:	6.85 Hours
Total job cost:	\$1,411.47

Permit Action:       Assume 3 acres         site:       Ft. Garland Pit       affected lands       Permit/Job#:       M.         PROJECT IDENTIFICATION       Task #:       006       State:       Colorado       Abbreviation:       No         Date:       5/16/2013       County:       Costilla       Filename:       MO         User:       WHE       ME       MO       Agency or organization name:       DRMS         HOURLY EQUIPMENT COST       Basic Machine:       Cat D8T - 8U       Filename:       MO         Blade Type:       Universal       Attachment:       3-shank ripper       Shift Basis:       1 per day         Data Source:       (CRG)       Cost Breakdown:       Cost Breakdown:       Utilization %       NA         Operating Cost/Hour:       \$63.00       NA       Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$206.11       NA       NA       NA         Operator Cost/Hour:       \$206.11       NA       NA         Total Init Cost/Hour:       \$206.11       NA       MA         MATERIAL QUANTITIES       Initial Volume:       1,210       MA	
Task #:       006       State:       Colorado       Abbreviation:       Nor         Date:       5/16/2013       County:       Costilla       Filename:       M0         User:       WHE       M0         Agency or organization name:       DRMS         HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11       Total Unit Cost/Hour:         State:       \$206.11       MATERIAL QUANTITIES	
Task #:       006       State:       Colorado       Abbreviation:       Nor         Date:       5/16/2013       County:       Costilla       Filename:       M0         Agency or organization name:       DRMS         HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$206.11       NA         Total unit Cost/Hour:       \$206.11       NA         MatterIAL QUANTITIES       MATERIAL QUANTITIES	
Date:       5/16/2013       County:       Costilla       Filename:       M0         User:       WHE       Agency or organization name:       DRMS         HOURLY EQUIPMENT COST       Basic Machine:       Cat D8T - 8U       Horsepower:       310         Blade Type:       Universal       Attachment:       3-shank ripper         Shift Basis:       1 per day       Data Source:       (CRG)         Cost Breakdown:       000       NA       000         Ownership Cost/Hour:       \$63.00       NA       000         Ripper op. Cost/Hour:       \$104.06       100       100         Ripper op. Cost/Hour:       \$16.3       25       0         Operator Cost/Hour:       \$206.11       NA       NA         Total unit Cost/Hour:       \$206.11       NA       MATERIAL QUANTITIES	
User: WHE Agency or organization name: DRMS HOURLY EQUIPMENT COST Basic Machine: Cat D8T - 8U Horsepower: 310 Blade Type: Universal Attachment: 3-shank ripper Shift Basis: 1 per day Data Source: (CRG) Cost Breakdown: Ownership Cost/Hour: \$63.00 NA Operating Cost/Hour: \$63.00 NA Operating Cost/Hour: \$104.06 100 Ripper op. Cost/Hour: \$1.63 25 Operator Cost/Hour: \$37.41 NA Total unit Cost/Hour: \$206.11 Total Fleet Cost/Hour: \$206.11 MATERIAL QUANTITIES	
HOURLY EQUIPMENT COST         Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11       5206.11         MATERIAL QUANTITIES       MATERIAL QUANTITIES	
Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00         NA       Operating Cost/Hour:         \$104.06       100         Ripper op. Cost/Hour:       \$1.63         Operator Cost/Hour:       \$37.41         NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES	
Basic Machine:       Cat D8T - 8U         Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00         NA       Operating Cost/Hour:         \$104.06       100         Ripper op. Cost/Hour:       \$1.63         Operator Cost/Hour:       \$37.41         NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES	
Horsepower:       310         Blade Type:       Universal         Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11       \$206.11         MATERIAL QUANTITIES       MATERIAL QUANTITIES	
Attachment:       3-shank ripper         Shift Basis:       1 per day         Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00         Operating Cost/Hour:       \$104.06         Na       100         Ripper op. Cost/Hour:       \$1.63         Operator Cost/Hour:       \$37.41         NA       NA         Total unit Cost/Hour:       \$206.11         MATERIAL QUANTITIES	
Shift Basis: 1 per day   Data Source: (CRG)     Cost Breakdown:   Ownership Cost/Hour:   Operating Cost/Hour:   \$63.00   NA   Operating Cost/Hour:   \$104.06   100   Ripper op. Cost/Hour:   \$1.63   Operator Cost/Hour:   \$37.41   NA   Total unit Cost/Hour:   \$206.11   S206.11     MATERIAL QUANTITIES	
Data Source:       (CRG)         Cost Breakdown:       Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11       100         MATERIAL QUANTITIES       MATERIAL QUANTITIES       100	
Utilization %         Utilization %         Ownership Cost/Hour:       \$63.00       NA         Operating Cost/Hour:       \$104.06       100         Ripper op. Cost/Hour:       \$1.63       25         Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11       100         MATERIAL QUANTITIES       MATERIAL QUANTITIES       100	
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Ripper op. Cost/Hour:\$1.6325Operator Cost/Hour:\$37.41NATotal unit Cost/Hour:\$206.11Total Fleet Cost/Hour:\$206.11MATERIAL QUANTITIES	
Operator Cost/Hour:       \$37.41       NA         Total unit Cost/Hour:       \$206.11         Total Fleet Cost/Hour:       \$206.11         MATERIAL QUANTITIES	
Total unit Cost/Hour:     \$206.11       Total Fleet Cost/Hour:     \$206.11       MATERIAL QUANTITIES	
Initial Volume: 1,210	
Swell factor:     1.000       Loose volume:     1,210 LCY	
Source of estimated volume: $(3ac)(43560sf/ac)(0.25'D) / 27 = 1210 cy$ NA	
HOURLY PRODUCTION	
Average push distance:120 feetUnadjusted hourly production:817.7 LCY/hr	
Materials consistency description: Partly consolidated stockpile 1.1	
Average push gradient: 0 %	
Average site altitude: 7,840 feet	
Material weight: 2,550 lbs/LCY	
Weight description: Earth - Dry packed	
Job Condition Correction Factor Source	
Operator Skill: 0.750 (AVG.)	
Material consistency: 1.100 (CAT HB)	

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

Net correction: 0.4941

Adjusted unit production:	404.03 LCY/hr
Adjusted fleet production:	404.03 LCY/hr

Fleet size:	1 Dozer(s)
Unit cost:	\$0.510/LCY

Total job time:	2.99 Hours
Total job cost:	\$617.27

# **REVEGETATION WORK**

e: Ft. Garland		<b>m</b>	•	, ,		
	Pit	Perm	it Action:	Assume 3 acres affected lands	Permit/Job#:	M2008085
PROJECT I	DENTIFICA	TION				
Task #: 0	07	State:	Colorado		Abbreviation:	None
Date: 5	5/16/2013	County:	Costilla		Filename:	M085-007
User: V	WHE				-	

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

## Application

•

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

## **<u>TILLING</u>**

Description		Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$98.01
	Total Tilling Cost/Acre	\$98.01

## SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.50	8.16	\$5.18
Indian Ricegrass - Native	1.00	3.24	\$6.74
Sand Dropseed	0.05	5.97	\$0.35
Bottlebrush Squirreltail	1.00	4.41	\$24.86
Rabbitbrush, Rubber	0.25	3.72	\$9.15
Needle and Thread	1.25	3.30	\$58.74
Western Wheatgrass - Native	3.00	7.58	\$9.12
Sagebrush, Wyoming Big	0.02	1.18	\$0.71
Spike Muhly	0.12	4.41	\$1.10
Winter Fat	1.25	3.19	\$40.86

Totals Seed Mix	8.44	45.15	\$156.80
Application			

	Cost /Acre
	\$88.20
Total Seed Application Cost/Acre	\$88.20
	Total Seed Application Cost/Acre

## **MULCHING and MISCELLANEOUS**

#### Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$16.24	\$16.24
Total Mulch Materials Cost/Acre				\$16.24

#### Application

Description		Cost /Acre
Weed spray, truck, non-aquatic area, nox. [DMG]		\$61.49
	Total Mulch Application Cost/Acre	\$61.49

## NURSERY STOCK PLANTING

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

Estimat	No. of Acres: ed Failure Rate:		Cost /Acres	
*Selected Replanti	ng Work Items:	TILLING,SEEI	DING,MULCHING	
Initial Job Cost:	\$1,262.22			
Reseeding Job Cost:	\$315.56			
Total Job Cost:	\$1,577.78			
Job Hours:	0.00			

### EQUIPMENT MOBILIZATION/DEMOBILIZATION

te: Ft. Garland Pit		Permit A		Assume 3 acres affected lands		ermit/Job#:	M200	08085
PROJECT ID	ENTIFICAT	ION						
Task #: 00	8	State: Co	olorado		Abbı	eviation:	None	
	6/2013		ostilla		F	ilename:	M085-	-008
User: W	HE			*******	*****	-		
Agency	or organizatio	n name:DRMS						
EQUIPMENT	TRANSPOR	RT RIG COST			Shift b	asis: 1	l per day	v
					Cost Data Sou		RG Dat	
				400 LT	YONTO LIATE	2006)		
Tru	ck Trailer Desc	cription: GENE	RIC FOLDIN	G GOOSEN	P (2ND HALF, IECK, DROP I 7, 50T, AND 10	DECK EQU	JIPMEN	NT TRAILER
Cost Breakdown				G GOOSEN (25T	IECK, DROP I , 50T, AND 10	DECK EQU	JIPMEN	NT TRAILER
Cost Breakdown Available Rig C	apacities	0-25 Tons	26-50 Tons	G GOOSEN (251	ECK, DROP I , 50T, AND 10 + Tons	DECK EQU	JIPMEN	VT TRAILER
<u>Cost Breakdown</u> Available Rig C Ownershi	apacities p Cost/Hour:	0-25 Tons \$16.63	<b>26-50 Tons</b> \$18.37	G GOOSEN (251 51 \$	ECK, DROP I , 50T, AND 10 + Tons 22.33	DECK EQU	JIPMEN	NT TRAILER
<u>Cost Breakdown</u> Available Rig C Ownershi Operatin	a <b>pacities</b> p Cost/Hour: g Cost/Hour:	0-25 Tons \$16.63 \$44.38	<b>26-50 Tons</b> \$18.37 \$46.13	G GOOSEN (257 51 \$ \$	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07	DECK EQU	JIPMEN	JT TRAILER
<u>Cost Breakdown</u> Available Rig C Ownershi Operatin Operato	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66	G GOOSEN (251 51 51 \$ \$ \$ \$ \$	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66	DECK EQU	JIPMEN	VT TRAILER
<u>Cost Breakdown</u> Available Rig C Ownershi Operatin Operato Helpe	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: or Cost/Hour:	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39	G GOOSEN (25T) 51 51 53 51 53 53 53 53 53 53 53	ECK, DROP I , 50T, AND 10 + <b>Tons</b> 22.33 50.07 27.66 25.39	DECK EQU	JIPMEN	VT TRAILER
Cost Breakdown Available Rig C Ownershi Operatin Operato Helpe Total Un	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: er Cost/Hour: it Cost/Hour:	<b>0-25 Tons</b> \$16.63 \$44.38 \$27.66 \$0.00 \$88.67	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66	G GOOSEN (25T) 51 51 53 51 53 53 53 53 53 53 53	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66	DECK EQU	JIPMEN	VT TRAILER
Cost Breakdown Available Rig C Ownershi Operatin Operato Helpe Total Un NON ROADA	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: it Cost/Hour: it Cost/Hour: BLE EQUIP	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig	G GOOSEN (251 51 51 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45 Haul Trip	DECK EQU DOT)	rip	DOT Permi
<u>Cost Breakdown</u> Available Rig C Ownershi Operatin Operato Helpe	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: r Cost/Hour: it Cost/Hour: BLE EQUIP Weight/ Unit	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT:	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55	G GOOSEN (251 51) 51) 51) 51) 51) 51) 51) 51) 51)	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45 Haul Trip Cost/hr/	DECK EQU DOT)	rip	
Cost Breakdown Available Rig C Ownershi Operatin Operato Helpe Total Un NON ROADA Machine Description	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: r Cost/Hour: it Cost/Hour: BLE EQUIP Weight/ Unit (TONS)	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	GOOSEN (251 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45 Haul Trip Cost/hr/ fleet	DECK EQU DOT) Return T Cost/hr/	rip	DOT Permi Cost/ fleet
Cost Breakdown Available Rig C Ownershi Operatin Operato Helpe Total Un NON ROADA Machine Description Cat D8T - 8U	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: r Cost/Hour: it Cost/Hour: BLE EQUIP Weight/ Unit (TONS) 53.70	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit \$63.00	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit \$125.45	GOOSEN (251 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ECK, DROP I 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45 Haul Trip Cost/hr/ fleet \$188.45	DECK EQU DOT) Return T Cost/hr/ \$125.45	rip	DOT Permi Cost/ fleet \$250.00
Cost Breakdown Available Rig C Ownershi Operatin Operato Helpe Total Un NON ROADA Machine	apacities p Cost/Hour: g Cost/Hour: or Cost/Hour: r Cost/Hour: it Cost/Hour: BLE EQUIP Weight/ Unit (TONS) 53.70 25.00	0-25 Tons \$16.63 \$44.38 \$27.66 \$0.00 \$88.67 MENT: Owner ship Cost/hr/ unit	<b>26-50 Tons</b> \$18.37 \$46.13 \$27.66 \$25.39 \$117.55 Haul Rig Cost/hr/unit	GOOSEN (251 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ECK, DROP I , 50T, AND 10 + Tons 22.33 50.07 27.66 25.39 125.45 Haul Trip Cost/hr/ fleet	DECK EQU DOT) Return T Cost/hr/	rip	DOT Permi Cost/ fleet

## **ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
		Subtotals:	\$0.00	\$0.00

## **EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	ALAMOSA	
Total one-way travel distance:	30.00	miles
Average Travel Speed:	60.00	mph
Total Non-Roadable Mob/Demob Cost * '* two round trips with haul rig:	\$3,137.67	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$0.00	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.50	0.50
Return Time (Hours):	0.50	0.50
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.00	1.00

#### JOB TIME AND COST

Total job time: 4.00 Hours

Total job cost: \$3,137.67