

COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY MINERALS PROGRAM INSPECTION REPORT

PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME:	MINE/PROSPECTING ID#:	MINERAL:	COUNTY:		
Urie Gravel Pit	M-2009-038	Gravel	Rio Blanco		
INSPECTION TYPE:	INSPECTOR(S):	INSP. DATE:	INSP. TIME:		
Monitoring	Travis H. Marshall	March 2, 2016 10:00			
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERATI	ON:		
Urie Rock Company	Stephen Urie	112c - Constructio	112c - Construction Regular Operation		

REASON FOR INSPECTION:	BOND CALCULATION TYPE:	BOND AMOUNT:
Normal I&E Program	Complete Bond	\$91,600.00
DATE OF COMPLAINT:	POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA	None	None
WEATHER:	INSPECTOR'S SIGNATURE:	SIGNATURE DATE:
Clear	- Cal	March 11, 2016

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Financial Warranty

PROBLEM/POSSIBLE VIOLATION: Problem: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act. **CORRECTIVE ACTIONS:** The operator shall submit adequate financial warranty, as determined by the Division. The Division will be sending a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 5/10/16

OBSERVATIONS

This inspection was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining and Safety (Division). The Urie Gravel Pit is located approximately 1 mile north east of Rangely, Colorado. The site is a 112c operation that is active. Stephen Urie was present during the inspection.

A sign was posted at the entrance of the mine site and boundary markers were observed around the entire perimeter of the mining operation. Both the sign and markers were compliant with the requirements of Rule 3.1.12.

The site was active during the inspection. Various pieces of excavation equipment were observed within the permit area along with dump trucks being loaded with construction materials. Crushing equipment and conveyors were observed on site, no active crushing was observed during the inspection. A portable scale was observed near the pit entrance.

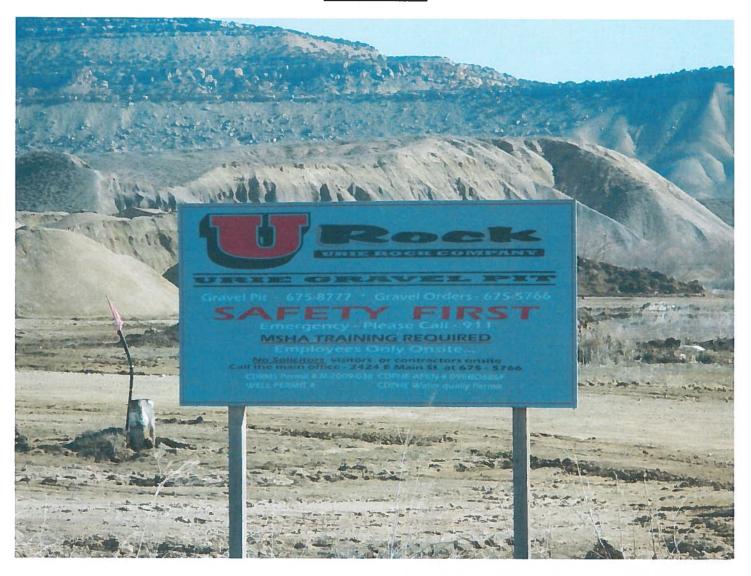
Recent evidence of active mining was observed in the northwest portion of the permit area. The mining area was mined down to the shale and was exposed. The shale underlying the gravel deposit appeared to be Mancos shale. The Division requires that either a minimum of two feet of gravel or water be left overlying the Mancos shale to avoid oxidation. Oxidation of Mancos shale may allow for selenium loading of the water which can be harmful to wildlife. The operator was not advised of this potential issue during the application process due to the original applications stating that the shale formation underlying the gravel deposit was the green river formation. This is not seen as a problem at this time but now that the operator is aware of the potential issue of Mancos shale oxidation future inspections that observe exposed Mancos shale will cite the condition as a possible violation of Division policy.

No erosional features were observed within the permit area during the inspection. Adequate amounts of topsoil were observed along the northern most permit area that are estimated to be adequate to complete the required reclamation.

Due to the last bond calculation being completed as part of the application process in August of 2009 the site is considered under bonded at the time of this inspection. As part of the routine reclamation bonding program an updated bond calculation will be conducted and sent along with this inspection report. The revised required reclamation bond amount is \$156,902.74. Place of the revised required reclamation bond is to be submitted and approved no later than May 10,2016.

Responses to this inspection report should be directed to Travis Marshall at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone no. (970) 241-2042.

PHOTOGRAPHS



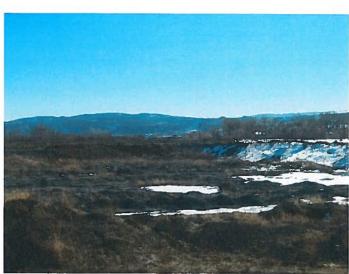






















PERMIT #: M-2009-038 INSPECTOR'S INITIALS: THM INSPECTION DATE: March 2, 2016

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS	<u>Y</u>	(FN) FINANCIAL WARRANTY	PB	(RD) ROADS	Y
(HB) HYDROLOGIC BALANCE	<u>Y</u>	(BG) BACKFILL & GRADING	Y	(EX) EXPLOSIVES	<u>NA</u>
(PW) PROCESSING WASTE/TAILING	<u>NA</u>	(SF) PROCESSING FACILITIES	<u>Y</u>	(TS) TOPSOIL	Y
(MP) GENL MINE PLAN COMPLIANCE-	<u>Y</u>	(FW) FISH & WILDLIFE	<u>Y</u>	(RV) REVEGETATION	<u>NA</u>
(SM) SIGNS AND MARKERS	<u>Y</u>	(SW) STORM WATER MGT PLAN	Y	(CI) COMPLETE INSP	Y
(ES) OVERBURDEN/DEV. WASTE	<u>NA</u>	(SC) EROSION/SEDIMENTATION	<u>Y</u>	(RS) RECL PLAN/COMP	<u>NA</u>
(AT) ACID OR TOXIC MATERIALS	<u>NA</u>	(OD) OFF-SITE DAMAGE	<u>Y</u>	(ST) STIPULATIONS	<u>NA</u>

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

Inspection Contact Address

Stephen Urie Urie Rock Company 2424 East Main Street Rangely, CO 81646

Enclosure(s): 2016 Reclamation Cost Update

COST SUMMARY WORK

Task description:

Reclamation Cost Update

Site: Urie Gravel Pit

Permit Action: SI-01

Permit/Job#: M2009038

PROJECT IDENTIFICATION

Task #:

001

State: Colorado

Abbreviation:

None

Date: User:

3/11/2016 THM

Rio Blanco County:

Filename:

M038-001

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Rip and Rough Grade 15 acres	RIPPER	1	24.95	\$4,524.00
02a	Removal of Earth Sound Barrier and Placement in Pit Bottom	SCRAPER1	1	51.57	\$58,741.00
03a	Reduce Pit Wall Slopes from 2H:1V to 3H:1V	DOZER	2	17.36	\$5,968.00
04a	Removal of Earth Sound Barrier and Placement in Pit Bottom	SCRAPER1	1	17.08	\$19,454.00
05a	Revegetate 15 acres of disturbance	REVEGE	1	16.00	\$29,905.00
06a	Mobilization	MOBILIZE	1	2.32	\$6,156.00
		\$124,748			

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02 Performance bond: 1.05 Job superintendent:

Profit:

64.64

Total = \$2,519.91

Total = \$1,309.85 Total = \$4,814.39

10.00

Total =

\$12,474.80

TOTAL O & P =

\$21,118.95

CONTRACT AMOUNT (direct + O & P) = \$145,866.95

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): Engineering work and/or contract/bid preparation: 0.00 0.00

Total = 0.00

Total = \$0.00

Reclamation management and/or administration:

5.00

\$7,293.35

CONTINGENCY:

3.00

Total = \$3,742.44

TOTAL INDIRECT COST = \$32,154.74

TOTAL BOND AMOUNT (direct + indirect) = \$156,902.74

BULLDOZER RIPPING WORK

	Task description	: Rip	and Rough Grade 15 ac	eres						
Site:	Urie Gravel l	Pit	Permit Action:	SI-01	Permit/Job#:	M2009038				
	PROJECT ID	ENTIFICATI	ON							
	Task #: 01	Α	State: Colorado		Abbreviation:	None				
		11/2016	County: Rio Blanc		Filename:	M038-01a				
	User: THM									
	Agency or organization name: DRMS									
			-							
	HOURLY EQ									
			t D7R DS Series II LGP		Horsepower:	240				
	Ripper At	tachment: 3-S	Shank Ripper			er day				
					Data Source: (0	CRG)				
	Cost Breakdown	<u>ı:</u>								
					Utilization %					
		Ownership C		9.25	NA					
	n:	Operating C		8.45	100					
	Кір	per Operating C		1.68	100					
		Operator C Total Unit C		8.89	NA					
				31.27						
	Total Fleet Cost/Hour: \$181.27									
	MATERIAL (QUANTITIES	Sel	ected estimating r	method: Area					
	Alternate Metho	ds:		•	-					
			D 1371	214	D.C.V.					
smic:	NA 15.00		Bank Volume:	NA 1.50		NA				
Area:	15.00	acres	Rip Depth (ft):	1.50	Volume: <u>36,300</u>	BCY or 0				
		Source of estin	mated quantity: Reclar	mation Plan						
	HOURLY PRODUCTION									
	Seismic:									
	<u> </u>		Seismic Velocity:	NA	feet/second					

:	Area:		D: 1 D 4	0.15						
			ge Ripping Depth:	2.45	mph					
			e Ripping Width:	6.50	degrees					
			e Ripping Length:age Dozer Speed:	250.00	feet					
			Maneuver Time:	88.00 0.25	feet					
		_	tion per unit area:	0.724	feet acres/hour					
	I-1- C 12: C		•	0.724	acres/flour					
5	Job Condition Co									
	Ur	nadjusted Hourly	Unit Production:	0.724	Acres/hr					
			Site Altitude:	5,230	feet					
			Altitude Adj:	1.00	(CAT HB)					
			Job Efficiency:	0.83	(1 shift/day)					
			Net Correction:	0.83	multiplier					
		Adiusted	Hourly Unit Production:	0.60	Acres/hr					
		_	Hourly Fleet Production:		Acres/hr					
	JOB TIME AI	·	,							
:		in cost								
	Fleet size:	1	_ Grader(s)	Total job time:	24.96	Hours				
	Unit cost:	\$301.590	Per acre	Total job cost	: \$4,524					

SCRAPER TEAM WORK

Task description:	Removal	f Earth Sound E	Barrier and Placer	nent in Pit Botto	m	
Site: Urie Gravel Pit		Permit Action	: SI-01	Per	mit/Job#: M200	9038
PROJECT IDENT	FIFICATION					
Task #: 02A Date: 3/11/20 User: THM		State: Colorado Rio Blar			eviation: None M038-0	02a
HOURLY EQUIP		DIGVIS	COSTS	hift basis: 1 per o	······································	
IIOOIGI BQOA	IVIII I			init oasis. <u>1 per c</u>	<u>auy</u>	
			nent Description			
			27G w/push-pull 7R DS Series II LO	7P		
Suppo	rt Equipment -Loa		TRE DO Series II De	,,		
			7R DS Series II LO	3P		
Road Ma	intenance – Motor		16M			
	-Water	Truck: NA				
Cook Donals Issues	C W/-	-1- m	0	89	3.6 * .	
Cost Breakdown:	Scraper Wo Scraper	rk ream Dozer	Support Equi Load Area	Dump Area	Maintenance Motor Grader	Water Truck
	•			-		
%Utilization-machine:	100	100	NA	100	100	NA
Ownership cost/hour:	\$87.31	\$54.56	NA	\$54.56	\$75.59	NA
Operating cost/hour:	\$177.73	\$78.45	NA	\$78.45	\$85.29	NA
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	\$0.00	NA
Operator cost/hour:	\$34.24	\$38.89	NA	\$38.89	\$35.83	NA
Unit Subtotals:	\$299.29	\$171.90	NA	\$171.90	\$196.70	NA
Number of Units:	2	1	0	1	1	0
Group Subtotals:	Work:	\$770.48	Support:	\$171.90	Maint:	\$196.70
Total work team cost						
Initial volume:	39,843	CCY	Swell fac	tor: 1.000		
Loose volume:	39,843	LCY				
	rce of estimated vo of estimated swell		n of Reclamation, ndbook	Mining & Safety		
HOURLY PRODU	UCTION					
			Scraper B	owl (volume) Bas	sis:	
Material weight:	2,550 lbs/LCY		 _	Volume: 15.70		CY
Material description:	Earth - Dry pack	ed		Volume: 13.70 Volume: 22.00		CY
Rated Payload:	52,800 pounds		Average			CY
Payload Capacity:	20.71 LCY		Adjusted (CY

Site Altitude: 5230 feet

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time: 0.90 Minutes 0.60 Minutes

Job Condition Correction:

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

Travel Time:

Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res (%)	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	10.00	5.00	15.00	734	0.70

Haul Time: 0.70 minutes

Return Route:

Seg#	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	500.00	-10.00	5.00	-5.00	2938	0.23

Return Time: 0.23 minutes

Total Scraper team cycle time:
Adjusted for job conditions:
Selected Number of Scrapers:

2.43 minutes

772.62 LCY/Hour

Scraper(s)

Adjusted single scraper team (unit) hourly production: 772.62 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 772.62 LCY/Hour

Unadjusted unit production/hour: 930.86 LCY/Hour Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

 Fleet size:
 1
 Team(s)
 Total job time:
 51.57
 Hours

 Unit cost:
 \$1.474
 /LCY
 Total job cost:
 \$58,741

BULLDOZER WORK

: Urie Gravel Pit	Permit Action: SI-01	Permit/Job#: M2009038
PROJECT IDENTIFICATION		
	State: Colorado	Abbreviation: None
	unty: Rio Blanco	Filename: M038-03a
User: THM	unity. Kio Bianco	Filename. W036-03a
	DD140	
Agency or organization name:	DRMS	
HOURLY EQUIPMENT COST		
Basic Machine: _Cat D7R DS Serie	es II LGP	
Horsepower: 240		
Blade Type: Straight		
Attachment: NA		
Shift Basis: 1 per day		
Data Source: (CRG)		
Cost Breakdown:		
Ownership Cost/Hour: \$	Utilization 9	<u>%</u>
•	54.56 NA 78.45 100	
	50.00	0
•• •	38.89 NA	
Total unit Cost/Hour: \$171.90		
Total unit Cost/Hour: \$171.90 Total Fleet Cost/Hour: \$343.79		
10tal 1 leet Cost/110tal. \$343.79		
MATERIAL QUANTITIES		
Initial Volume: 13,650		
Swell factor: 1.115		
Loose volume: 15,220 LCY		
	vision of Reclamation, Mining & Safet	<u>y</u>
Source of estimated swell factor: Car	Handbook	
HOURLY PRODUCTION		
Average push distance: 50 fee	at .	
	LCY/hr	
Unautusieu nourry production: 800.0		
Materials consistency description:	Compacted fill or embankment 0.9	
Materials consistency description: C Average push gradient: -15 %		
Materials consistency description:		
Materials consistency description: C Average push gradient: -15 %	Compacted fill or embankment 0.9	
Materials consistency description: Average push gradient: Average site altitude: 5,230 feet	Compacted fill or embankment 0.9	
Materials consistency description: Consistency	Compacted fill or embankment 0.9	ce
Materials consistency description: Average push gradient: Average site altitude: Material weight: 2,500 lbs/LC Weight description: Clay - Dry	Compacted fill or embankment 0.9	
Materials consistency description: C Average push gradient: -15 % Average site altitude: 5,230 feet Material weight: 2,500 lbs/LC Weight description: Clay - Dry Job Condition Correction Factor Operator Skill: Material consistency:	Compacted fill or embankment 0.9 CY Source	<u>3.)</u>
Materials consistency description: Average push gradient: Average site altitude: Material weight: 2,500 lbs/LC Weight description: Clay - Dry Job Condition Correction Factor Operator Skill:	Compacted fill or embankment 0.9 CY Source (AVC)	G.) HB)) N.)

0.830

Job efficiency:

(1 SHIFT/DAY)

F)
B)
B)
B)
1

Net correction: 0.5480

Adjusted unit production: 438.40 LCY/hr

Adjusted fleet production: 876.8 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.392/LCY

Total job time: 17.36 Hours
Total job cost: \$5,968

SCRAPER TEAM WORK

Task description:	Removal	f Earth Sound	Barrier and Place	ment in Pit Botto	om	
Site: Urie Gravel Pit		Permit Action	n: SI-01	Per	rmit/Job#:N	12009038
PROJECT IDEN	<u> </u>					
Task #: 04A Date: 3/11/20 User: THM Agency or 0		State: Colorac unty: Rio Bla DRMS				one 1038-04a
HOURLY EQUIP	MENT		COSTS	hift basis: 1 per	<u>day</u>	
	rt Equipment -Loa	Scraper: Cat 6 -Dozer: Cat I d Area: NA p Area: Cat I	ment Description 527G w/push-pull D7R DS Series II LC D7R DS Series II LC	3P		
	-Water	Truck: NA				
Cost Breakdown:	Scraper Wo Scraper	rk Team Dozer	Support Equi Load Area	pment Dump Area	Mainten Motor Gra	ance Equipment der Water Truck
%Utilization-machine:	100	100	NA	100	100	NA
Ownership cost/hour:	\$87.31	\$54.56	NA	\$54.56	\$75.59	NA
Operating cost/hour:	\$177.73	\$78.45	NA	\$78.45	\$85.29	NA
Ripper op. cost/hour:	NA	\$0.00	NA	\$0.00	\$0.00	NA
Operator cost/hour:	\$34.24	\$38.89	NA	\$38.89	\$35.83	NA
Unit Subtotals:	\$299.29	\$171.90	NA	\$171.90	\$196.70) NA
Number of Units:	2	1	0	1	1	0
Group Subtotals:	Work:	\$770.48	Support:	\$171.90	Ma	int: \$196.70
Total work team cost						
Initial volume: Loose volume:	12,100 12,100	CCY LCY	Swell fac	tor: 1.000		
	rce of estimated von		on of Reclamation, andbook	Mining & Safety		
HOURLY PRODU	<u>UCTION</u>					
			Scraper B	owl (volume) Bas	sis:	
Material weight:	1,600 lbs/LCY		Struck	Volume: 15.70		LCY
Material description:	Top Soil	104. 2040	wi i	Volume: 22.00		LCY
Rated Payload:	52,800 pounds		Average			_ LCY
Payload Capacity:	33.00 LCY		Adjusted (Capacity: 18.85		LCY

Cycle Time:

Scraper Loading Time: Maneuver and Spread Time: 0.90 Minutes 0.60 Minutes

Job Condition Correction:

Site Altitude: 5230 feet

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

Travel Time:

Road Condition: Rutted dirt, little maintenance, no water, 2" tire penetration 5.0

Haul Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res (%)	Velocity (fpm)	Travel Time (min)
1	800.00	5.00	5.00	10.00	1068	0.78

Haul Time: 0.78 minutes

Return Route:

Seg #	Haul Distance (Ft)	Grade (%)	Roll. Res	Total Res	Velocity (fpm)	Travel Time (min)
1	800.00	-5.00	5.00	0.00	2921	0.37

Return Time: 0.37 minutes

Total Scraper team cycle time: Adjusted for job conditions:

2.65 minutes 708.48 LCY/Hour 2 Scraper(s)

Selected Number of Scrapers: Adjusted single scraper team (unit) hourly production:

708.48 LCY/Hour Adjusted multiple scraper team (fleet) hourly production: 708.48 LCY/Hour

Unadjusted unit production/hour: 853.58 LCY/Hour

Optimal Number of Scrapers per push dozer:

JOB TIME AND COST

Fleet size: ___ 1 Team(s) Total job time: 17.08 Hours

Unit cost: \$1.608 /LCY Total job cost: \$19,454

REVEGETATION WORK

Task description: Revegetate 15 acres of disturbance

Site: Urie Gravel Pit Permit Action: SI-01 Permit/Job#: M2009038

PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None

Date: 3/11/2016 County: Rio Blanco Filename: M038-05a

User: THM

Agency or organization name: DRMS

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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)		\$107.59
	Total Tilling Cost/Acre	\$107.59

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Nespar	6.00	19.42	\$42.54
Sand Dropseed	0.30	35.81	\$2.10
Bottlebrush Squirreltail	4.50	19.83	\$112.10
Sandberg Bluegrass - VNS	1.50	31.85	\$13.05
Galleta	5.50	20.08	\$138.88
Western Wheatgrass - Rosanna	8.00	20.20	\$28.16
Totals Seed Mix	25.80	147.20	\$336.82

Application

Description		Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)		\$434.00
	Total Seed Application Cost/Acre	\$434.00

Task # 05A

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$246.00	\$492.00
Total Mulch Materials Cost/Acre				\$492.00

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$66.02
Power mulcher (MEANS 32 91 13.16 0350)		\$97.14
	Total Mulch Application Cost/Acre	\$163.16

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
		Tot	als Nursery Stoo	ek Cost / Acre	\$0.00

JOB TIME AND COST

No. of Acres: <u>15</u> Cost / Acre: \$1,533.57

Estimated Failure Rate: 30% Cost /Acre*: \$1,533.57

*Selected Replanting Work Items: TILLING, SEEDING, MULCHING

Initial Job Cost: \$23,003.55

Reseeding Job Cost: \$6,901.07

Total Job Cost: \$29,905

Job Hours: 16.00

EQUIPMENT MOBILIZATION/DEMOBILIZATION

Task description: Mobilization

Site: Urie Gravel Pit Permit Action: SI-01 Permit/Job#: M2009038

PROJECT IDENTIFICATION

Task #: 06A State: Colorado Abbreviation: None

Date: 3/11/2016 County: Rio Blanco Filename: M038-06a

User: THM

Agency or organization name: DRMS

EQUIPMENT TRANSPORT RIG COST

Shift basis: 1 per day
Cost Data Source: CRG Data

Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,

400 HP (2ND HALF, 2006)

Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT

TRAILER (25T, 50T, AND 100T)

Cost Breakdown:

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/uni t	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS Series II LGP	34.57	\$54.56	\$117.55	2	\$344.21	\$235.10	\$500.00
Cat 627G w/push- pull	43.48	\$87.31	\$117.55	2	\$409.73	\$235.10	\$500.00
CAT 16M	28.73	\$75.59	\$117.55	1	\$193.14	\$117.55	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00

Subtotals: \$1,171.04 \$765.09 \$1,750.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$13.42	2	\$26.84	\$26.84

Subtotals: **\$26.84 \$26.84**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: RANGELY Total one-way travel distance: 2.00 miles Average Travel Speed: 25.00 mph

Total Non-Roadable Mob/Demob Cost *

** two round trips with haul rig: Total Roadable Mob/Demob Cost **

** one round trip, no haul rig:

\$6,151.86 \$4.29

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.08	0.08
Return Time (Hours):	0.08	0.08
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.16	0.16

JOB TIME AND COST

Total job time:	2.32	Hours

Total job cost: \$6,156