

June 7, 2018

Blayne Dennis  
Jubilee Venture, Inc.  
403 Taylor Street  
Craig, CO 81625



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

1313 Sherman Street, Room 215  
Denver, CO 80203

***RE: Eagle Mine, Permit No. M-2011-029, Reclamation Costs Update and Notice of Surety Increase (SI-1)***

Dear Mr. Dennis:

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).

Division calculations estimate the cost to reclaim the above referenced site to be \$53,616.22 rounded up to \$53,620. This is an increase of **\$18,534.00** over the \$35,086 currently held by the Division. This estimate is based on conditions observed during the May 30, 2018 inspection. ***Therefore, pursuant to Section 34-32-117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter.*** The additional amount needs to be accepted prior to **Monday, August 06, 2018**. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted.

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

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Sincerely,

**Amy Yeldell**

Environmental Protection Specialist

Ec: Wally Erickson, Senior EPS, Grand Junction DRMS  
Jennifer Maiolo, BLM Little Snake Field Office  
Enc: Financial Warranty Cost Estimate



## COST SUMMARY WORK

Task description: Post inspection bone update

Site: Eagle Mine

Permit Action: 2018-05

Permit/Job#: M2011029

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 6/5/2018

County: Moffat

Filename: M029-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo foundations/slabs	DEMOLISH	1	4.00	\$397.34
02a	Backfill water storage pond	DOZER	1	11.97	\$2,297.00
03a	Backfill tailings pond	DOZER	1	2.87	\$550.00
04a	Backfill one parcel	DOZER	1	98.23	\$18,842.00
05a	Rip plant area	RIPPER	1	1.55	\$322.00
06a	Distribute topsoil over 4 ac (Max Disturbance)	DOZER	1	24.14	\$4,631.00
07a	Reveg 4 ac (max disturbance area)	REVEGE	1	16.00	\$7,808.00
08a	Initial Mobilization of Reclamation crew and equipment	MOBILIZE	1	6.93	\$5,720.00
08b	Secondary Mobilization of Reclamation crew and equipment	MOBILIZE	1	6.93	\$2,432.00
<b><u>SUBTOTALS:</u></b>				<b>172.62</b>	<b>\$42,999</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$868.58

Performance bond: 1.05

Total = \$451.49

Job superintendent: 0.00

Total = \$0.00

Profit: 10.00

Total = \$4,299.90

TOTAL O & P = \$5,619.97

CONTRACT AMOUNT (direct + O & P) = \$48,618.97

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00

Total = 500.00

Engineering work and/or contract/bid preparation: 4.25

Total = \$2,066.31

Reclamation management and/or administration: 5.00

\$2,430.95

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$10,617.22

TOTAL BOND AMOUNT (direct + indirect) = \$53,616.22

**TOTAL BOND AMOUNT (Rounded) = \$53,620.00**

## DEMOLITION WORK

Task description: Demo foundations/slabs

Site: Eagle Mine

Permit Action: 2018-05

Permit/Job#: M2011029

### PROJECT IDENTIFICATION

Task #: 01A

State: Colorado

Abbreviation: None

Date: 6/5/2018

County: Moffat

Filename: M029-01a

User: ACY

Agency or organization name: DRMS

### UNIT COSTS

Location adjustment: 91.30 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Vibrating table slab	14'L x 8'W x 2'T	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 50 ft. push	112.00	SF	\$0.85	\$95.20
Office building slab	20'L x 20'W x 8"T	Demo. and on-site disposal in excavated pit, 8 in. thick - Max. 50 ft. push	400.00	SF	\$0.85	\$340.00

Job Hours: 4.00

Subtotal  
(unadjusted): \$435.20

Total Cost  
(adjusted for location): \$397.34

**BULLDOZER WORK**Task description: **Backfill water storage pond**Site: **Eagle Mine** Permit Action: **2018-05** Permit/Job#: **M2011029****PROJECT IDENTIFICATION**

Task #: **02A** State: **Colorado** Abbreviation: **None**  
 Date: **6/5/2018** County: **Moffat** Filename: **M029-02a**  
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D8T - 8SU**  
 Horsepower: **310**  
 Blade Type: **Semi-Universal**  
 Attachment: **NA**  
 Shift Basis: **1 per day**  
 Data Source: **(CRG)**

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: **\$191.83**  
 Total Fleet Cost/Hour: **\$191.83**

**MATERIAL QUANTITIES**

Initial Volume: **2,781**  
 Swell factor: **1.124**  
 Loose volume: **3,125 LCY**

Source of estimated volume: **65'L x 77'W x 15'D**  
 Source of estimated swell factor: **Cat Handbook**

**HOURLY PRODUCTION**

Average push distance: **200 feet**  
 Unadjusted hourly production: **491.9 LCY/hr**

Materials consistency description: **Loose stockpile 1.2**

Average push gradient: **0 %**  
 Average site altitude: **6,650 feet**

Material weight: **2,850 lbs/LCY**Weight description: **Sand - Damp****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.100	(50% SL)
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:	0.807	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5305

Adjusted unit production: 260.95 LCY/hr

Adjusted fleet production: **260.95** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.735/LCY

Total job time: **11.97** Hours

Total job cost: **\$2,297**

**BULLDOZER WORK**Task description: **Backfill tailings pond**Site: **Eagle Mine** Permit Action: **2018-05** Permit/Job#: **M2011029****PROJECT IDENTIFICATION**

Task #: **03A** State: **Colorado** Abbreviation: **None**  
 Date: **6/6/2018** County: **Moffat** Filename: **M029-03a**  
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D8T - 8SU**  
 Horsepower: **310**  
 Blade Type: **Semi-Universal**  
 Attachment: **NA**  
 Shift Basis: **1 per day**  
 Data Source: **(CRG)**

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: **\$191.83**  
 Total Fleet Cost/Hour: **\$191.83**

**MATERIAL QUANTITIES**

Initial Volume: **666**  
 Swell factor: **1.124**  
 Loose volume: **748 LCY**

Source of estimated volume: **40.5'L x 55.5'W x 8'D**  
 Source of estimated swell factor: **Cat Handbook**

**HOURLY PRODUCTION**

Average push distance: **200 feet**  
 Unadjusted hourly production: **491.9 LCY/hr**

Materials consistency description: **Loose stockpile 1.2**

Average push gradient: **0 %**  
 Average site altitude: **6,650 feet**

Material weight: **2,850 lbs/LCY**Weight description: **Sand - Damp****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.100	(50% SL)
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:	0.807	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.5305

Adjusted unit production: 260.95 LCY/hr

Adjusted fleet production: **260.95** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.735/LCY

Total job time: **2.87** Hours

Total job cost: **\$550**

**BULLDOZER WORK**Task description: **Backfill one parcel**Site: **Eagle Mine** Permit Action: **2018-05** Permit/Job#: **M2011029****PROJECT IDENTIFICATION**

Task #: **04A** State: **Colorado** Abbreviation: **None**  
 Date: **6/6/2018** County: **Moffat** Filename: **M029-04a**  
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D8T - 8SU**  
 Horsepower: **310**  
 Blade Type: **Semi-Universal**  
 Attachment: **NA**  
 Shift Basis: **1 per day**  
 Data Source: **(CRG)**

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: **\$191.83**  
 Total Fleet Cost/Hour: **\$191.83**

**MATERIAL QUANTITIES**

Initial Volume: **20,740**  
 Swell factor: **1.124**  
 Loose volume: **23,303 LCY**

Source of estimated volume: **700'W x 80'W x 10'D**  
 Source of estimated swell factor: **Cat Handbook**

**HOURLY PRODUCTION**

Average push distance: **200 feet**  
 Unadjusted hourly production: **491.9 LCY/hr**

Materials consistency description: **Loose stockpile 1.2**

Average push gradient: **0 %**  
 Average site altitude: **6,650 feet**

Material weight: **2,850 lbs/LCY**Weight description: **Sand - Damp****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(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:	0.807	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4823

Adjusted unit production: 237.24 LCY/hr

Adjusted fleet production: **237.24** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.809/LCY

Total job time: **98.23** Hours

Total job cost: **\$18,842**

## BULLDOZER RIPPING WORK

Task description: Rip plant area

Site: Eagle Mine Permit Action: 2018-05 Permit/Job#: M2011029

### PROJECT IDENTIFICATION

Task #: 05A State: Colorado Abbreviation: None  
Date: 6/6/2018 County: Moffat Filename: M029-05a  
User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper Ownership Cost/Hour:	\$7.55	NA
Ripper Operating Cost/Hour:	\$7.21	100
Operator Cost/Hour:	\$41.85	NA
Total Unit Cost/Hour:	\$206.59	
Total Fleet Cost/Hour:	<b>\$206.59</b>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 1.00 acres Rip Depth (ft): 2.00 Volume: 3,227 BCY or CCY

Source of estimated quantity: Mine Plan

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 2.56 mph  
Average Ripping Width: 7.08 degrees  
Average Ripping Length: 200.00 feet  
Average Dozer Speed: 88.00 feet  
Average Maneuver Time: 0.25 feet  
Production per unit area: 0.773 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.773 Acres/hr  
Site Altitude: 6,650 feet  
Altitude Adj: 1.00 (CAT HB)  
Job Efficiency: 0.83 (1 shift/day)  
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.64 Acres/hr  
Adjusted Hourly Fleet Production: **0.64** Acres/hr

### JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: **1.56** Hours

Unit cost: \$321.940 Per acre Total job cost: **\$322**

**BULLDOZER WORK**Task description: **Distribute topsoil over 4 ac (Max Disturbance)**Site: **Eagle Mine** Permit Action: **2018-05** Permit/Job#: **M2011029****PROJECT IDENTIFICATION**

Task #: **06A** State: **Colorado** Abbreviation: **None**  
 Date: **6/6/2018** County: **Moffat** Filename: **M029-06a**  
 User: **ACY**

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine: **Cat D8T - 8SU**  
 Horsepower: **310**  
 Blade Type: **Semi-Universal**  
 Attachment: **NA**  
 Shift Basis: **1 per day**  
 Data Source: **(CRG)**

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$83.81	NA
Operating Cost/Hour:	\$66.17	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.85	NA

Total unit Cost/Hour: **\$191.83**  
 Total Fleet Cost/Hour: **\$191.83**

**MATERIAL QUANTITIES**

Initial Volume: **4,840**  
 Swell factor: **1.000**  
 Loose volume: **4,840 LCY**

Source of estimated volume: **4 ac. @ 9" deep**  
 Source of estimated swell factor: **Cat Handbook**

**HOURLY PRODUCTION**

Average push distance: **350 feet**  
 Unadjusted hourly production: **233.3 LCY/hr**

Materials consistency description: **Loose stockpile 1.2**

Average push gradient: **0 %**  
 Average site altitude: **6,650 feet**

Material weight: **1,600 lbs/LCY**Weight description: **Top Soil****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 200.47 LCY/hr

Adjusted fleet production: **200.47** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.957/LCY

Total job time: **24.14** Hours

Total job cost: **\$4,631**

**REVEGETATION WORK**Task description: Reveg 4 ac (max disturbance area)Site: Eagle MinePermit Action: 2018-05Permit/Job#: M2011029**PROJECT IDENTIFICATION**Task #: 07AState: ColoradoAbbreviation: NoneDate: 6/6/2018County: MoffatFilename: M029-07aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$106.29
<b>Total Tilling Cost/Acre</b>	<b>\$106.29</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Arrowleaf Balsamroot	0.50	0.62	\$35.10
Indian Ricegrass - Nespar	1.00	3.24	\$7.75
Lupine, Silver	0.50	0.29	\$34.99
Thickspike Wheatgrass - Critana	2.00	7.07	\$11.48
Western Wheatgrass - Arriba	2.00	5.05	\$16.16
Globemallow, Scarlet (or copper)	1.00	11.32	\$135.50
Winter Fat	0.50	1.27	\$10.25
<b>Totals Seed Mix</b>	<b>7.50</b>	<b>28.87</b>	<b>\$251.23</b>

**Application**

<b>Description</b>	<b>Cost /Acre</b>
Drill seeding (MEANS 32 92 19.13 0020)	\$438.00
<b>Total Seed Application Cost/Acre</b>	<b>\$438.00</b>

**MULCHING and MISCELLANEOUS****Materials**

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$7.16	\$7.16
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$261.00	\$522.00
<b>Total Mulch Materials Cost/Acre</b>				<b>\$529.16</b>

**Application**

<b>Description</b>	<b>Cost /Acre</b>
Crimping, with tractor {DMG survey data}	\$66.02
Power mulcher (MEANS 32 91 13.16 0350)	\$99.32
Weed spray, truck, non-aquatic area, nox. [DMG]	\$71.50
<b>Total Mulch Application Cost/Acre</b>	<b>\$236.84</b>

**NURSERY STOCK PLANTING**

<b>Common Name</b>	<b>No / Acre</b>	<b>Type and Size</b>	<b>Planting Cost</b>	<b>Fertilizer Pellet Cost</b>	<b>Cost /Acre</b>
					\$
<b>Totals Nursery Stock Cost / Acre</b>					<b>\$0.00</b>

**JOB TIME AND COST**

No. of Acres: 4 Cost /Acre: \$1,561.52  
 Estimated Failure Rate: 25% Cost /Acre\*: \$1,561.52  
 \*Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$6,246.08**  
 Reseeding Job Cost: **\$1,561.52**  
 Total Job Cost: **\$7,808**  
 Job Hours: **16.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Initial Mobilization of Reclamation crew and equipment**Site: **Eagle Mine**Permit Action: 2018-05Permit/Job#: M2011029**PROJECT IDENTIFICATION**Task #: 08AState: ColoradoAbbreviation: NoneDate: 6/6/2018County: MoffatFilename: M029-08aUser: ACYAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$91.36	\$125.45	1	\$216.81	\$125.45	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
CAT 972H	28.00	\$43.47	\$117.55	1	\$161.02	\$117.55	\$250.00
Subtotals:					<b>\$574.42</b>	<b>\$420.34</b>	<b>\$1,000.00</b>

**ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$47.41	1	\$47.41	\$47.41
Subtotals:			<b>\$47.41</b>	<b>\$47.41</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>CRAIG, CO</u>	
Total one-way travel distance:	<u>37.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$5,602.58</u>
'* two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$116.94</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.23</u>	<u>1.23</u>
Return Time (Hours):	<u>1.23</u>	<u>1.23</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>3.47</u>	<u>2.47</u>

**JOB TIME AND COST**

Total job time:	<u>6.93</u>	Hours
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Total job cost:	<u>\$5,720</u>
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**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: Secondary Mobilization of Reclamation crew and equipmentSite: Eagle MinePermit Action: 2018-05Permit/Job#: M2011029**PROJECT IDENTIFICATION**Task #: 08BState: ColoradoAbbreviation: NoneDate: 6/6/2018County: MoffatFilename: M029-08bUser: ACYAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
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/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$12.22	\$88.67	1	\$100.89	\$88.67	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00

Subtotals: **\$196.59** **\$177.34** **\$500.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$47.41	1	\$47.41	\$47.41

Subtotals: **\$47.41** **\$47.41**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>CRAIG, CO</u>	
Total one-way travel distance:	<u>37.00</u>	miles
Average Travel Speed:	<u>30.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$2,315.54</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$116.94</u>
** one round trip, no haul rig:	

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.23</u>	<u>1.23</u>
Return Time (Hours):	<u>1.23</u>	<u>1.23</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>3.47</u>	<u>2.47</u>

**JOB TIME AND COST**

Total job time: 6.93 Hours

Total job cost: \$2,432