# COST SUMMARY WORK

Γ	Task description: Sandsto	one Lense Core Drilli	ng			
Site:	Deserado Mine	Permit Action:	MR179		Permit/Job#	t: <u>C1981018</u>
<u>P</u> 1	ROJECT IDENTIFICATION					
	Task #: 000 Date: 1/20/2021 User: CCW	State: Colorado County: Moffat		A		None C018-000
	Agency or organization nar					
<u>T</u>	ASK LIST (DIRECT COSTS)	<u>)</u>				
ask	Description		Form Used	Fleet Size	Task Hours	Cost
01 02	Seal and abandon MR-179 bor Replace Topsoil on Drill Pads		BOREHOLE DOZER	1	0.00	\$852 \$287
03	Reseed Drill Pads and Access l		REVEGE	1	10.00	\$863
			SUBTO	TALS:	10.84	\$2,002
<u>IN</u>	DIRECT COSTS					
<u>O'</u>	VERHEAD AND PROFIT:					
	Liability insurance: 2.0				Total = \$40	
	Performance bond: 1.0				Total =  \$21	
	Job superintendent: 5.4 Profit: 10	.00			$Total = \frac{\$37}{\text{Total}} = \frac{\$37}{\$20}$	
	110111.	.00		TOTAL	$O \& P = \frac{$63}{}$	
		CONTR	ACT AMOUNT	(direct +	O & P) =	641
LE	EGAL - ENGINEERING - PROJE	CT MANAGEMENT:				
	Financial warranty processing (		\$0	_	Total = \$0	
	Engineering work and/or contr		10.00	-	Total = $\frac{$26}{}$	
	Reclamation management an	d/or administration:	7.10	-	\$18	3 /
		CONTINGENCY:	0.00		Total =\$0	
			TOTAL IN	DIRECT	COST = \$1,	090
		TOTAL BON	ND AMOUNT (di	irect + in	direct) =\$3,	092

# **BOREHOLE SEALING WORK**

te: D	eserado Mine	Permit Action:	MR179	Permit	/Job#: <u>C1981018</u>
OJECT	Γ IDENTIFICAT	<u> TION</u>			
Task #:	001	State: Colorado		Abbreviation:	None
	1 /00 /0001	County: Moffat		Filename:	C018-001
Date:	1/20/2021	County. Ivioriat		_	

# **UNIT COSTS**

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Seal and abandon 12 Nitrogen Injection holes	Portland cement grout ( Bag, material cost only94 lb. bag)	3.5	10' X 12	9.00	bag	\$15.95	\$143.55
- Bottom Plug	PVC plug - 4 in. diameter borehole	3.5	NA	9.00	EA	\$33.29	\$299.61
- Drillhole Marker	Borehole location/identification marker (EA, material cost only)	NA	NA	9.00	EA	\$35.50	\$319.50
- Cut Casing	Exposed casing removal - Calculate Circumference in Linear Feet	3.5	NA	9.00	LF	\$3.26	\$29.34
- Truck and Labor	Flatbed Truck, 4x2, 30K GVW	NA	NA	2.00	EA	\$30.21	\$60.42

Job Hours: 0.00 Total Cost: \$852.00	
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# **BULLDOZER WORK**

<u> </u>	•	s and Access Roads	D	h#. C100101
Deserado Mine	Permit Action:	MR1/9	Permit/Jo	b#: <u>C198101</u>
PROJECT IDENTIFICATION				
Task #: 002	State: Colorado		Abbreviation:	None
	ounty: Moffat	-	Filename:	C018-002
User: CCW	- 11011at		T Hemanie.	
	. DDMC			
Agency or organization name	: DRMS			
HOURLY EQUIPMENT COST				
Basic Machine: Cat D9T - 9SU		_		
Horsepower: 405		_		
Blade Type: Semi-Universal		=		
Attachment: 3-shank ripper		_		
Shift Basis: 1 per day		_		
Data Source: (CRG)		_		
Cost Breakdown:	ı	<b>TI</b> .::: 0/		
Ownership Cost/Hour:	\$156.88	<u>Utilization %</u> NA		
Operating Cost/Hour:	\$130.88	100		
Ripper own.				
Cost/Hour:	\$15.59	NA		
Ripper op. Cost/Hour:	\$1.02	10		
Operator Cost/Hour:	\$41.30	NA		
Total unit Cost/Hour: \$342.66				
Total Fleet Cost/Hour: \$342.66				
MATERIAL QUANTITIES				
Initial Volume: 1,392				
Swell factor: 1.000				
Loose volume: 1,392 LCY				
Source of estimated volume: M	R-171 Application			
	at Handbook		<del></del>	
factor:				
HOURLY PRODUCTION				
Average push distance: 50 f	-et			
	0.5 LCY/hr			
production:	U.J LC I/III			
production.				
Materials consistency description:	Partly consolidated s	stockpile 1.1		
Average push 0 %				
gradient:				
Average site altitude: 5,700 feet				
Tiverage site annual. 3,700 leet				
Material weight: 1,600 lbs/I	.CY			
			<del></del>	
***				
Weight description: Top Soil				
b 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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7877

Adjusted unit production:

Adjusted fleet production:

1,662.44 LCY/hr

1662.44 LCY/hr

#### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)
Unit cost: \$0.206/LCY

Total job time: 0.84 Hours
Total job cost: \$287

# **REVEGETATION WORK**

Deserado Mine	Permit A	Action: MR1	179		Permit/Job#:	C1981018
PROJECT IDENTIF	<u>ICATION</u>					
Task #: 003	State: Col	lorado		Abb	reviation: N	lone
Date: 1/20/2021	Date: 1/20/2021 County: Rio Blanco Filename: C  User: CCW				018-003	
Agency or orga	anization name: DRMS					
FERTILIZING						
Materials						
Description		Units / Acre	Unit	Cost	/ Unit	Cost /Acre
				\$		\$
				Tota	l Fertilizer Materials Cost/Acre	\$0.00
<b>Application</b>						
Description						Cost /Acre
						\$
		Tota	l Fertilizer <i>A</i>	pplication	Cost/Acre	\$0.00
<u> </u>					·	
Description						Cost /Acre
						\$
			To	otal Tilling	Cost/Acre	\$0.00
<u>SEEDING</u>						

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.10	3.90	\$2.85
Indian Ricegrass - Nespar	0.40	1.29	\$3.55
Beardless Wheatgrass - Whitmar	0.50	1.63	\$5.86
Bluebunch Wheatgrass - Secar	0.50	1.61	\$5.44
Canby Bluegrass - Canbar	0.20	4.25	\$2.05
Crested Wheatgrass - Nordan	4.00	18.37	\$15.60
Russian Wildrye - Bozoisky	2.00	8.03	\$12.96
Bottlebrush Squirreltail	0.20	0.88	\$3.25
Sandberg Bluegrass - VNS	0.20	4.25	\$1.68

Pubescent Wheatgrass - Greenleaf	1.00	2.07	\$3.65
Sheep Fescue - Covar	0.20	3.12	\$1.22
Slender Wheatgrass - Pryor	2.00	7.30	\$8.50
Milk Vetch, Cicer - Monarch	1.00	3.33	\$8.20
Thickspike Wheatgrass - Critana	1.00	3.54	\$6.88
Western Wheatgrass - Arriba	2.00	5.05	\$13.00
Needlegrass, Green - Lodorm	0.60	2.49	\$7.07
Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Prairie Junegrass	0.20	10.63	\$5.20
Flax, Lewis Blue	0.40	2.65	\$6.60
Saltbush, Four Wing	2.00	2.75	\$25.00
Saltbush, Shadscale	0.50	0.75	\$5.00
Yarrow, White	0.10	6.36	\$4.00
Totals Seed Mix	19.20	99.54	\$149.52

Application

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

# **MULCHING and MISCELLANEOUS**

#### Materials

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

**Application** 

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

#### **NURSERY STOCK PLANTING**

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

# **JOB TIME AND COST**

No. of Acres:	1.38	Cost /Acre:	\$416.74
Estimated Failure Rate:	50%	Cost /Acre*:	\$416.74
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost: \$575.10		_	

Reseeding Job Cost:	\$287.55
Total Job Cost:	\$863
Job Hours:	10.00