# COST SUMMARY WORK

: Foidel Cr	eek Mine	Permit Action:	MR323	Permit/Job#:	C1982056
PROJECT	<u>IDENTIFICA</u>	<u>ATION</u>			
Task #:	000	State: Colorado		Abbreviation:	None
Date:	8/9/2023	County: Routt		Filename:	000
User:	HR1				

# TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Plug and Seal 7 Exploration Boreholes	BOREHOLE	1	67.00	\$100,488
002	Regrade Drill Pads and Mud Pits	DOZER	1	22.77	\$10,034
003	Replace Topsoil on Drill Pads and Mud Pits	DOZER	1	9.60	\$4,232
004	Reseed 5.65 acres disturbance	REVEGE	1	5.65	\$1,796
		SUBTO'	TALS:	105.02	\$116,550

### **BOREHOLE SEALING WORK**

	rask description:	Flug and Se	ai / Expioratio	n borenoies			
Site:	Foidel Creek Mine		Permit Action:	MR323	Permit/.	Job#: _	C1982056
PROJE	CT IDENTIFICATIO	<u> N</u>					
Task #	: 001	State:	Colorado		Abbreviation:	None	
Date	: 8/25/2023 1:23:56	County:	Routt		Filename:	001	
	PM						
User	: HR1		•				

# **UNIT COSTS**

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Seal Holes WC2301-07	Portland cement grout ( Bag, material cost only94 lb. bag)	8.09"	12,600	3,430.00	bag	\$19.95	\$68,428.50
Borehole Plug	PVC plug - 8 in. diameter borehole	8.09"	NA	7.00	EA	\$87.55	\$612.88
Borehole Marker	Borehole location/identification marker (EA, material cost only)	NA	NA	7.00	EA	\$39.00	\$273.00
Cut Casing at Surface	Exposed casing removal - Calculate Circumference in Linear Feet	NA	2.12'	2.12	LF	\$4.55	\$9.65
Drill Rig and Labor	SCHRAMM T450WS	NA	NA	56.00	EA	\$522.23	\$29,244.88
Water Truck	Water Tanker, 2,500 Gal.	NA	NA	56.00	EA	\$34.27	\$1,919.12

Job Hours:	67.00	Total Cost:	\$100,488.00
JOD HOUIS.	07.00	Total Cost.	φ100,400.00

### **BULLDOZER WORK**

	ne	Per	mit Action:	MR323	Permit/Job#:	C1982056
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PROJECT IDEN	TIFICATI(	<u>ON</u>				
Task #: 002		State:	Colorado		Abbreviation:	None
Date: 8/25/2	023	County:	Routt		Filename:	002
1:28:3	3 PM				_	
User: HR1						
Agency or	organization	name: DF	RMS			
HOURLY EQUI	PMENT CO	<u>OST</u>				
Basic Machine:	Cat D8T - 8	RSII				
Horsepower:	310	550				
Blade Type:	Semi-Univ	ersal				
Attachment:	3-shank rip					
Shift Basis:	1 per day	рет				
Data Source:	(CRG)			<u>—</u>		
-	( /			<u> </u>		
Cost Breakdown:				Utilization %		
Ownership Cost/Ho	2115.		\$241.38	NA		
Operating Cost/Ho			\$143.92	100		
Ripper own. Cost/He			\$14.11	NA		
Ripper op. Cost/He			\$0.00	0	<u></u>	
Operator Cost/He			\$41.30	NA		
Total Fleet Cost/Hou	ır: <b>\$440.</b>	71				
	ANTITIES					
MATERIAL QUA	MITTILD					
	9,919 1.250					
Initial Volume: Swell factor:	9,919 1.250		 			
Initial Volume: Swell factor: Loose volume:	9,919 1.250 <b>12,399</b> LCY		— — —	on Mining & Safatr		
Initial Volume: Swell factor: Loose volume: Source of estimated	9,919 1.250 <b>12,399</b> LCY volume:			on, Mining & Safety		
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	9,919 1.250 12,399 LCY volume: swell factor:	Division		on, Mining & Safety		
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated	9,919 1.250 12,399 LCY volume: swell factor:	Division Cat Hand		on, Mining & Safety		
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan	9,919 1.250 12,399 LCY volume: swell factor: UCTION ce:	Division	book	on, Mining & Safety		
Swell factor:	9,919 1.250 12,399 LCY volume: swell factor: UCTION ce: roduction:	Division Cat Hand  50 feet 1,400.0 LC	book Y/hr	on, Mining & Safety  ——  mbankment 0.9		
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistenc	9,919 1.250 12,399 LCY volume: swell factor: UCTION ce: roduction:	Division Cat Hand  50 feet 1,400.0 LC	book Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistenc Average push gradie	9,919 1.250 12,399 LCY volume: swell factor:  UCTION ce: roduction: y description ent: 0 %	Division Cat Hand  50 feet 1,400.0 LC  Compa	book Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated  HOURLY PROD  Average push distan Unadjusted hourly p  Materials consistenc  Average push gradie Average site altitude	9,919 1.250 12,399 LCY volume: swell factor:  UCTION  ce: roduction:  y description  ent:  0 % 6,800	Division Cat Hand  50 feet 1,400.0 LC  Compa	book Y/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p	9,919 1.250 12,399 LCY volume: swell factor:  UCTION ce: roduction: y description ent: 0 % 6,800 2,650	Division Cat Hand  50 feet  1,400.0 LC  Compa	Y/hr cted fill or e	mbankment 0.9		
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistenc Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	9,919 1.250 12,399 LCY volume: swell factor:  UCTION ce: roduction: y description ent: 0 % 6,800 2,650 Decor	Division Cat Hand  50 feet 1,400.0 LC  Compa  feet  lbs/LCY  mposed rock	Y/hr cted fill or e	mbankment 0.9  , 75% Earth  Source		
Initial Volume: Swell factor: Loose volume: Source of estimated Source of estimated HOURLY PROD Average push distan Unadjusted hourly p Materials consistenc Average push gradie Average site altitude Material weight: Weight description: Job Condition Corre	9,919 1.250 12,399 LCY volume: swell factor:  UCTION ce: roduction: y description ent: 0 % 6,800 2,650 Decore cation Factor rator Skill:	Division Cat Hand  50 feet 1,400.0 LC  Compa  feet  lbs/LCY  mposed rock  0.	Y/hr cted fill or e	mbankment 0.9		

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:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3890

Adjusted unit production: 544.60 LCY/hr
Adjusted fleet production: 544.6 LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s) Unit cost: \$0.809/LCY

Total job time: 22.77 Hours
Total job cost: \$10,034

### **BULLDOZER WORK**

Abbreviation: None Filename: 003
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zation %
NA
100
NA
0
NA
& Safety
<u> </u>
Source
Source (AB.AVG.) (CAT HB)
1 1 1 1

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: 0.5929

Adjusted unit production: 603.04 LCY/hr
Adjusted fleet production: 603.04 LCY/hr

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

Fleet size: 1 Dozer(s)
Unit cost: \$0.731/LCY

Total job time: 9.60 Hours
Total job cost: \$4,232

### **REVEGETATION WORK**

Foidel Creek Mine	Per	rmit Action: MR3	23		Permit/Job#:	C1982056	
ROJECT IDENTIFIC	<b>ATION</b>						
Task #: 004 Date: 8/25/2023 11:27:43 AM User: HR1	State: County:	County: Routt				None 004	
Agency or organiz	ation name:DF	RMS					
<u>ERTILIZING</u>							
Taterials  Description		Units / Acre	Unit	Cost	/ Unit	Cost /Acre	
		Here		\$		\$	
					nl Fertilizer Materials Cost/Acre	\$0.00	
pplication							
Description						Cost /Acre	
		Total	Fertilizer A	application	a Cost/Acre	\$ \$0.00	
<u> </u>							
TILLING  Description						Cost /Acre	
						Cost /Acre	
			To	otal Tilling	g Cost/Acre		
			To	otal Tilling	g Cost/Acre	\$	

Seed Mix	PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alfalfa - Common	0.21	1.01	\$0.54
Orchardgrass - Elsie	0.48	5.95	\$1.49
Meadow Brome - Regar	0.40	0.37	\$1.59
Smooth Brome - Lincoln	0.77	2.56	\$2.56
Intermediate Wheatgrass - Rush	1.52	3.25	\$4.26
Pubescent Wheatgrass - Greenleaf	1.52	3.14	\$5.55
Slender Wheatgrass - Native	1.86	6.79	\$8.60
Milk Vetch, Cicer - Lutana	0.24	0.80	\$1.97

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Timothy - Climax	0.39	11.19	\$0.62
Desert Wheatgrass	1.14	2.88	\$5.70
Totals Seed Mix	8.53	37.94	\$32.87

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00
Total Seed Application Cost/A	cre \$232.00

#### **MULCHING and MISCELLANEOUS**

#### Materials

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

Application

Description		Cost /Acre
		\$
	<b>Total Mulch Application Cost/Acre</b>	\$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: 5.65 Cost /Acre: \$264.87
Estimated Failure Rate: 20% Cost /Acre\*: \$264.87
\*Selected Replanting Work Items: SEEDING

Initial Job Cost:

Reseeding Job Cost:

Total Job Cost:

Job Hours:

\$1,496.52

\$299.30

\$1,796

\$5.65