



STATE OF  
COLORADO

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

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## C1980007, West Elk Mine, MR-452, Adequacy Review and Cost Estimate

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Simmons - DNR, Leigh <leigh.simmons@state.co.us>

Fri, Oct 16, 2020 at 3:15 PM

To: "Welt, Kathy" <KWelt@archrsc.com>

Attached

Leigh Simmons  
Environmental Protection Specialist



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

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**Adequacy letter, West Elk, MR-452, 1.pdf**

766K



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

Kathleen G. Welt  
Mountain Coal Company, LLC  
5174 Highway 133  
Somerset, CO 81434  
October 16, 2020

**Re: West Elk Mine (Permit No. C-1980-007)**  
**Minor Revision No. 452, (MR-452)**  
**Initial Adequacy Review**

Dear Ms. Welt,

The Colorado Division of Reclamation, Mining and Safety (Division) has completed the initial review of materials submitted by Mountain Coal Company, LLC (MCC) in support of the MR-452 application. The Division has no questions at this time

A Reclamation Cost Estimate for the revegetation of the disturbance is attached for your review.

Yours sincerely,

Leigh Simmons  
Environmental Protection Specialist



## COST SUMMARY WORK

Task description: Revegetation of repaired subsidence on South Prong Creek

Site: West Elk Mine

Permit Action: MR452

Permit/Job#: C1980007

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 10/16/2020

County: Delta

Filename: C007-000

User: LDS

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	S Prong Creek subsidence repair: BroadcastPRDmtshrbseedmix	REVEGE	1	0.60	\$837
<b><u>SUBTOTALS:</u></b>				<b>0.6</b>	<b>\$837</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$17

Performance bond: 1.05

Total = \$9

Job superintendent: 0.30

Total = \$21

Profit: 10.00

Total = \$84

TOTAL O & P = \$130

CONTRACT AMOUNT (direct + O & P) = \$967

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.00

Total = \$39

Reclamation management and/or administration: 3.13

\$30

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$199

**TOTAL BOND AMOUNT (direct + indirect) = \$1,036**

**REVEGETATION WORK**Task description: S Prong Creek subsidence repair: BroadcastPRDmtshrbseedmixSite: West Elk MinePermit Action: MR452Permit/Job#: C1980007**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 10/16/2020County: GunnisonFilename: C007-001User: LDSAgency 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
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Native	3.00	9.71	\$19.50
Mountain Brome - Bromar	4.00	6.43	\$15.20
Sandberg Bluegrass - VNS	3.00	63.71	\$25.20
Lupine, Silver	1.00	0.59	\$69.98
Western Wheatgrass - Arriba	4.00	10.10	\$26.00
Prairie Junegrass	3.00	159.46	\$78.00
Penstemon, Rocky Mountain	0.50	7.84	\$14.75
Bluebunch Wheatgrass - Goldar	3.00	9.64	\$13.80
Golden Banner	1.00	2.00	\$83.00

<b>Totals Seed Mix</b>	22.50	269.47	<b>\$345.43</b>
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## Application

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

## MULCHING and MISCELLANEOUS

## Materials

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost /Acre</b>
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Straw, delivered {MEANS 31 25 14.16 1200}	1.00	TON	\$301.00	\$301.00
<b>Total Mulch Materials Cost/Acre</b>				<b>\$303.92</b>

## Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Power mulcher (MEANS 32 91 13.16 0350)	\$101.93
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
<b>Total Mulch Application Cost/Acre</b>	<b>\$355.26</b>

## 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:	0.6	Cost /Acre:	\$1,271.83
Estimated Failure Rate:	20%	Cost /Acre*:	\$612.65
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	<b>\$763.10</b>		
Reseeding Job Cost:	<b>\$73.52</b>		
Total Job Cost:	<b>\$837</b>		
Job Hours:	<b>0.60</b>		