

**STATE OF
COLORADO**

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

C1980007, West Elk Mine, MR-478, Reclamation Cost Estimate

2 messages

Simmons - DNR, Leigh <leigh.simmons@state.co.us>
To: "Wilczek, Jessica" <jwilczek@archrsc.com>

Thu, Oct 12, 2023 at 11:43 AM

Jessica,

Attached is a Reclamation Cost Estimate for MR-478. There is a single task to plug and abandon the hole, it has been calculated using all the same assumptions that have been used for other boreholes at the mine since the site-wide cost estimate was recalculated with RN-7 (please let me know if you'd like further details).

If you concur, MR-478 will add \$3617 to the minimum required surety. There will be no need for Mountain Coal Company to post additional bond.

Leigh Simmons
Environmental Protection Specialist

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

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 MR-478_RCE.pdf
30K

Wilczek, Jessica A. <jwilczek@archrsc.com>
To: "Simmons - DNR, Leigh" <leigh.simmons@state.co.us>

Thu, Oct 12, 2023 at 11:52 AM

That sounds reasonable Leigh, thank you.

Regards,

Jessica Wilczek, PE

Manager of Engineering and Environmental Affairs| West Elk Mine

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jwilczek@archrsc.com | www.archrsc.com**ARCH**
WEST ELK

From: Simmons - DNR, Leigh <leigh.simmons@state.co.us>
Sent: Thursday, October 12, 2023 11:44 AM
To: Wilczek, Jessica A. <jwilczek@archrsc.com>
Subject: C1980007, West Elk Mine, MR-478, Reclamation Cost Estimate

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COST SUMMARY WORK

Task description: Box Canyon Monitoring Hole

Site: West Elk Mine

Permit Action: MR-478

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 10/12/2023

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	Box Canyon North Monitoring Hole: plug and seal	BOREHOLE	1	2.64	\$3,123
<u>SUBTOTALS:</u>				2.64	\$3,123

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$63

Performance bond: 1.05

Total = \$33

Job superintendent: 1.32

Total = \$86

Profit: 10.00

Total = \$312

TOTAL O & P = \$494

CONTRACT AMOUNT (direct + O & P) = \$3,617

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$494

TOTAL BOND AMOUNT (direct + indirect) = \$3,617

BOREHOLE SEALING WORK

Task description: Box Canyon North Monitoring Hole: plug and seal

Site: West Elk Mine

Permit Action: MR-478

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 10/12/2023

County: Gunnison

Filename: 478-001

User: LDS

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Bottom Plug	PVC plug - 6 in. diameter borehole	6.25	0	1.00	EA	\$63.91	\$63.91
Fill Hole with Cement	Portland cement grout (Bag, material cost only...94 lb. bag)	6.25	330	61.00	bag	\$19.95	\$1,216.95
Cut Casing at Surface	Exposed casing removal - Calculate Circumference in Linear Feet	6.25	2	2.00	LF	\$4.55	\$9.10
Borehole Marker	Borehole location/identification marker (EA, material cost only)	NA	NA	1.00	EA	\$39.00	\$39.00
Drill Rig Time	SCHRAMM T450WS	NA	NA	2.64	EA	\$624.33	\$1,648.23
Water Truck Time	Water Tanker, 2,500 Gal.	NA	NA	2.64	EA	\$55.39	\$146.23

Job Hours: 2.64

Total Cost: \$3,123.00