



STATE OF
COLORADO

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

C1980007, West Elk Mine, MR-475, Reclamation Cost Estimate

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

Fri, Aug 4, 2023 at 2:45 PM

To: "Poulos, Nicki" <npoulos@archrsc.com>

Nicki,

The draft Reclamation Cost Estimate for plugging and sealing the borehole proposed with MR-475 is attached. The costs have been estimated using the same method as has been used for all other boreholes at the mine. No tasks are included for the reclamation of the pad since this area is already disturbed and there will be no significant changes to the cost of reclaiming the 0.5 acre pad from what is already permitted.

Please review the estimate and let me know whether MCC concurs.

Leigh Simmons
Environmental Protection Specialist



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

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MR-475 RCE.pdf
29K

COST SUMMARY WORK

Task description: Geological hole at Deer Creek Shaft

Site: West Elk Mine

Permit Action: MR-475

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 8/4/2023

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	Geological hole at Deer Creek Shaft: plug and seal	BOREHOLE	1	4.96	\$4,835
<u>SUBTOTALS:</u>				4.96	\$4,835

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$98

Performance bond: 1.05

Total = \$51

Job superintendent: 2.48

Total = \$161

Profit: 10.00

Total = \$484

TOTAL O & P = \$793

CONTRACT AMOUNT (direct + O & P) = \$5,628

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 = \$793

TOTAL BOND AMOUNT (direct + indirect) = \$5,628

BOREHOLE SEALING WORK

Task description: Geological hole at Deer Creek Shaft: plug and seal

Site: West Elk Mine

Permit Action: MR-475

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 001
Date: 8/4/2023
User: LDS

State: Colorado
County: Gunnison

Abbreviation: None
Filename: 475-001

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	4.8"	0	1.00	EA	\$63.91	\$63.91
Fill Hole with Cement	Portland cement grout (Bag, material cost only...94 lb. bag)	4.8"	620	68.00	bag	\$19.95	\$1,356.60
Cut Casing at Surface	Exposed casing removal - Calculate Circumference in Linear Feet	4.8"	1	1.00	LF	\$4.55	\$4.55
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	4.96	EA	\$624.33	\$3,096.68
Water Truck Time	Water Tanker, 2,500 Gal.	NA	NA	4.96	EA	\$55.39	\$274.73

Job Hours: 4.96

Total Cost: \$4,835.00