

**STATE OF
COLORADO****Simmons - DNR, Leigh** <leigh.simmons@state.co.us>

TR-153 - B to E Seam Vent Shaft - Update

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

Fri, May 3, 2024 at 2:04 PM

To: "Wilczek, Jessica A." <jwilczek@archrsc.com>

The adequacy response was sufficient, so all that remains is to estimate the reclamation costs.

I have attached a draft estimate for plugging and sealing the 19" hole, and demolishing the 10' x 27' concrete pad. The total amount to be added to the minimum required surety, including indirect costs, is \$21,061. There will be no need for MCC to post any additional bond.

Please let me know if you concur with the estimate.

Leigh Simmons
Environmental Protection Specialist

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

P 303.866.3567 x 8121 | C 720.220.1180 | F 303.832.8106

1313 Sherman Street, Room 215, Denver, CO 80203

leigh.simmons@state.co.us | <https://drms.colorado.gov>

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**TR153_RCE.pdf**

162K

COST SUMMARY WORK

Task description: 19" pilot hole and pad (B to E shaft)

Site: West Elk Mine

Permit Action: TR-153

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/12/2024

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	1 x 19" B to E pilot hole: seal	BOREHOLE	1	6.60	\$15,116
002	1 x 19" B to E pilot hole: plug	MINESEAL	1	4.00	\$2,368
003	Demolish B to E pilot hole concrete pad	DEMOLISH	1	8.00	\$607
<u>SUBTOTALS:</u>				18.6	\$18,091

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$365

Performance bond: 1.05

Total = \$190

Job superintendent: 9.30

Total = \$605

Profit: 10.00

Total = \$1,809

TOTAL O & P = \$2,970

CONTRACT AMOUNT (direct + O & P) = \$21,061

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 = \$2,970

TOTAL BOND AMOUNT (direct + indirect) = \$21,061

BOREHOLE SEALING WORK

Task description: 1 x 19" B to E pilot hole: seal

Site: West Elk Mine

Permit Action: TR-153

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 001

State: Colorado

Abbreviation: None

Date: 4/12/2024

County: Gunnison

Filename: C007-001

User: LDS

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Fill Hole with Cement	Portland cement grout (Bag, material cost only...94 lb. bag)	19"	380	651.00	bag	\$19.95	\$12,987.45
Cut Casing at Surface	Exposed casing removal - Calculate Circumference in Linear Feet	19	5	5.00	LF	\$4.55	\$22.75
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	3.04	EA	\$624.33	\$1,897.96
Water Truck Time	Water Tanker, 2,500 Gal.	NA	NA	3.04	EA	\$55.39	\$168.39

Job Hours: 6.60

Total Cost: \$15,116.00

SAFEGUARDING UNDERGROUND OPENINGS

Task description: **1 x 19" B to E pilot hole: plug**

Site: **West Elk Mine** Permit Action: TR-153 Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 002 State: Colorado Abbreviation: None
Date: 5/3/2024 County: Delta Filename: C007-002
User: LDS

Agency or organization name: DRMS

UNIT COSTS

Opening Description	Dimensions	Closure Method	Quantity	Unit	Unit Cost	Total Cost
Plug 19" hole	19"	Shaft closure - hollow core plug with structure (per cu. yd.)	1.00	CY	\$2,368.00	\$2,368.00

Job Hours: **4.00**

Total Cost: **\$2,368.00**

DEMOLITION WORK

Task description: Demolish B to E pilot hole concrete pad

Site: West Elk Mine

Permit Action: TR-153

Permit/Job#: C1980007

PROJECT IDENTIFICATION

Task #: 003

State: Colorado

Abbreviation: None

Date: 5/3/2024

County: Delta

Filename: C007-003

User: LDS

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 89.80 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Concrete pad	10' x 27' x 1'	Demo. and on-site disposal in existing pit, 12 in. thick - Max. 200 ft. push	270.00	SF	\$2.50	\$675.62

Job Hours: 8.00

Subtotal
(unadjusted): \$675.62

Total Cost
(adjusted for location): \$606.71