



**Blazon Co.**  
(Mining Contractors & Consultants)

Incoming  
0070021

Agents for:  
Joe Investment Co.  
C & W Coal Producers

Ferron, Utah  
March 26, 1980

**RECEIVED**  
MAR 28 1980

DIVISION OF  
OIL, GAS & MINING

Ronald Daniels, Coordinator  
Dept. of Natural Resources  
Div. of Oil, Gas and Mining  
Salt Lake City, Utah 84116

Dear Ron,

Please find enclosed our estimate for bonding requirement with the State of Utah concerning the Blazon No.1 Mine.

The estimate is adequate in our opinion and hope that you will agree.

Mr. Otani, the surface owner submitted a letter stating his desires regarding the post-mining land use. We have used the letter as a basis for our calculations of the bonding amount.

Sincerely,

Joseph A. Harvey, President  
Blazon Company

DIVISION OF OIL, GAS, AND MINING  
BOND ESTIMATE

OPERATOR: Blazon Company  
MINE NAME: Blazon No. 1  
LOCATION: Clear Creek, Utah  
COUNTY: Carbon  
DATE: March 25, 1980

Operation		Amount	Rate	Cost
A. CLEAN-UP	1. Crane 32 hr.		\$85.00/hr.	\$2720.00
	Truck 64 hr.		17.00/hr.	1088.00
	Ldr. 64 hr.		25.00/hr.	1600.00
	2. Truck 8 hr.		17.00/hr.	136.00
	Ldr. 8 hr.		25.00/hr.	200.00
	3. Dozer 16 hr.		60.00/hr.	960.00
B. REGRADING & RECONTOURING	1. Earthwork including haulage and grading of spoils, waste and overburden.	Dozer 760 cu. yds.	\$1.20/cu.yd	\$ 912.00
	2. Recontouring of highwalls and excavations.	N/A		
	3. Spreading of soil or surficial materials.	Ldr. & Trucks 400 cu. yds.	\$2.20 cu.yd	\$ 880.00
C. STABILIZATION	1. Soil preparation, scarification, fertilization, etc.	1.25 Acres	\$100.00/acre	\$ 125.00
	2. Seeding or planting.	1.25 Acres	30.00/acre	37.50
	3. Construction of terraces, water-bars, etc.	N/A		
D. LABOR	1. Supervision.	15 days	\$150.00/day	\$2250.00
	2. Labor exclusive of bulldozer time.	30 days	70.00/day	2100.00
E. SAFETY	1. Erection of fences, portal coverings, etc.	4 seals	\$400.00 ea.	\$1600.00
	2. Removal or neutralization of explosive or hazardous materials.	Included in A-2		
F. MONITORING	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	N/A Land owner will monitor		
G. OTHER				14,600.00
				\$14,588.50
				TOTAL COST

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DIVISION OF  
OIL, GAS & MINING

Total 49,589.50

DIVISION OF OIL, GAS, AND MINING  
BOND ESTIMATE

OPERATOR: Blazon Company  
 MINE NAME: Blazon No. 1  
 LOCATION: Clear Creek, Utah  
 COUNTY: Carbon  
 DATE: March 25, 1980

Operation	Amount	Rate	Cost
<b>A. CLEAN-UP</b>	1. Crane 32 hr.	\$85.00/hr.	\$2720.00
1. Removal of structures & equipment.	Truck 64 hr.	17.00/hr.	1088.00
2. Removal of trash & debris.	Ldr. 64 hr.	25.00/hr.	1600.00
3. Leveling of ancillary facilities pads and access roads.	2. Truck 8 hr.	17.00/hr.	136.00
	Ldr. 8 hr.	25.00/hr.	200.00
	3. Dozer 16 hr.	60.00/hr.	960.00
<b>B. REGRADING &amp; RECONTOURING</b>			
1. Earthwork including haulage and grading of spoils, waste and overburden.	Dozer 760 cu. yds.	\$1.20/cu.yd	\$ 912.00
2. Recontouring of highwalls and excavations.	N/A		
3. Spreading of soil or surficial materials.	Ldr. & Trucks 400 cu. yds.	\$2.20 cu.yd	\$ 880.00
<b>C. STABILIZATION</b>			
1. Soil preparation, scarification, fertilization, etc.	1.25 Acres	\$100.00/acre	\$ 125.00
2. Seeding or planting.	1.25 Acres	30.00/acre	37.50
3. Construction of terraces, water-bars, etc.	N/A		
<b>D. LABOR</b>			
1. Supervision.	15 days	\$150.00/day	\$2250.00
2. Labor exclusive of bulldozer time.	30 days	70.00/day	2100.00
<b>E. SAFETY</b>			
1. Erection of fences, portal coverings, etc.	4 seals	\$400.00 ea.	\$1600.00
2. Removal or neutralization of explosive or hazardous materials.	Included in A-2		
<b>F. MONITORING</b>			
1. Continuing or periodic monitoring, sampling & testing deemed necessary.	N/A		
<b>G. OTHER</b>			
1. 13% inflation for 5 years.	Land owner will monitor		
	Subtotal		\$14,588.50
			\$12,411.50

TOTAL \$27,000.00