



EarthFax

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DIVISION OF
OIL, GAS & MINING

August 10, 1989

Mr. Randy Harden
Utah Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Subject: Blazon No. 1 Mine Revised Reclamation As-Built Report

Dear Randy:

On behalf of North American Equities, the enclosed pages are submitted as revisions to the Blazon No. 1 Mine Reclamation As-Built Report.

These revisions include the estimated costs for monitoring and maintenance activities during Phase II reclamation.

If you have any questions or need additional information, please contact us.

Sincerely,

Carol A. Bjork

Carol A. Bjork, P.E.
Civil Engineer

cc: Bill Prince (Holme, Roberts & Owen)
Alan Smith (NAE)

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temporarily abandoned in accordance with rule 12.1 of the Division of Water Rights Administrative Rules for Water Well Drillers, adopted July 1, 1985, by sealing the top of the well with a water-tight cap or seal. This work was completed on June 6, 1989.

13.0 Phase II Reclamation Cost Estimate

Several reclamation activities at the Blazon Mine will continue throughout the period of liability. These activities will include annual vegetation monitoring, quarterly pond inspections, semi-annual water quality monitoring of Mud Creek, and potential maintenance items. The estimated costs of these items are presented in Table 13.1.

In addition, a cost estimate is presented for the replacement of all revegetation at the mine site. This cost was based on replacing the vegetation over the entire 2.75 acres of revegetated area. The actual cost to hydroseed and hydromulch the site was approximately \$3500 per acre. Therefore, the cost for revegetation of the 2.75 acres would be approximately \$9,625.

Table 13.1

ESTIMATED COSTS TO PROVIDE
LONG-TERM RECLAMATION SERVICES
RELATED TO BLAZON MINE

Task	Cost Estimate
Annual monitoring of revegetation success for five years in accordance with the schedule in Section 9.3.2. (Yr 1 = \$2500, Yr 2 = \$3000, Yr 3 = \$3000, Yr 4 = 3500, Yr 5 = \$4000)	\$15,500
Semi-annual monitoring of water in Mud Creek for five years. Submission of data to the Division. (\$1400/yr)	\$7,000
Quarterly inspections of the sedimentation pond by a registered professional engineer. Submission of the inspection report to the Division. (\$2500/yr)	\$12,500
Annual site maintenance of ditches, silt fence, and soil erosion problems. (\$1000/yr)	\$5,000
Total replacement cost of revegetation. (2.75 acres at \$3500/acre)	\$9,625

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North American Equities, Ltd.
Blazon No. 1 Mine

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