



Abandoned Mine Reclamation Program PROJECT SUMMARY

SAN FRANCISCO PROJECT

Beaver County, Utah

AMR/001/903

Project Location and Background

The San Francisco Project was located at the south end of the San Francisco Mountains about 14 miles west of Milford, Beaver County. The Frisco mining district was one of the state's most significant silver producers and also yielded lead and copper. The Horn Silver mine was continuously productive for a noteworthy 78 years, from 1875 to 1952. The district supported two towns (Frisco and Newhouse) with a population reaching 4000. The area now is a popular destination for history buffs due to its many extant mining structures, including the impressive headframe at the Old King David mine, which is visible from Highway 24.

Preserving the historic character of the district was a high priority in the project design. Planning was also complicated by the presence of three federal status plant species, which necessitated surveys and mitigation practices.



The historic Old King David mine complex



The AMRP in the Division of Oil, Gas and Mining, Utah Department of Natural Resources, was created in 1983 to address physical safety hazards associated with abandoned mines as authorized by the Surface Mining Reclamation and Control Act (SMCRA) of 1977. The Program is funded by The Utah Coal Producers who pay an abandoned mine reclamation fee to the Office of Surface Mining (OSM) on each ton of coal mined in Utah.

Owner:

Multiple private landowners
Utah State & Institutional Trust Lands
U.S. Bureau of Land Management

General Contractor:

Kent Bethers Construction Inc.

AMRP Project Manager:

Chris Rohrer



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San Francisco Project, 2014 -- Construction Summary

Kent Bethers Construction Inc. of Heber, Utah, was awarded the contract for the project. Kent Bethers subcontracted the work to VCM Construction and the 517 Company (Clark and Trent Martinez). Spectrum Engineering of Billings, Montana, provided construction inspection. The work consisted of mine closures using the AMRP's standard closure designs. The inventory identified 224 mine openings. One more was discovered during construction. Negotiations with the primary private landowner (Horn Silver Mines Inc., with 000 inventoried mine openings) resulted in 75 mine openings being dropped from the project, so the final tally was 150 closures.

PROJECT HIGHLIGHTS:

Project Construction: Bid Amount \$381,322.00
Final Amount **\$462,120.71**

Project Inspection: Final Amount \$000,000.00

Change Orders: 3; net change: \$80,798.71
Changes in mine closure
type/quantity
1 additional mine closure

Project Dates: Start: May 6, 2014
Finish: August 19, 2014
53 Work Days
106 Calendar Days

Accomplishments: **150 mine closures**
52 adit (HO) closures
98 shaft (VO/IO) closures
74 backfills
13 bat gates
38 rebar grates
10 walls
8 PUF
7 other

Below: Juniper placed along streambank for protection.



San Francisco Project
AMLIS Keys: UT000199 & UT000201
Construction Cost: \$462,120.71