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TECHNICAL MEMORANDUM
Utah Coal Regulatory Program

March 24, 2009

TO: Internal File

FROM: Joe Helfrich, Lead, Cultural Resources

RE: Archaeological/Cultural Resource Surveys, Canyon Fuel Company, Dugout Canyon Mine, C/007/0039 Task # 3252

SUMMARY:

On March 11, 2009 the Division received an application that included three cultural resource surveys for exploration drill pads and associated access roads above the Dugout Canyon mine. This memo will include a review of the surveys in accordance with the Cultural Resource section of the regulations.

TECHNICAL ANALYSIS:

HISTORIC AND ARCHEOLOGICAL RESOURCE INFORMATION

Regulatory Reference: 30 CFR 783.12; R645-301-411.

Analysis:

The application includes three class III ground surveys for exploration drill pads and associated access corridors above the Dugout Canyon mine. Each survey includes the appropriate information for the Division to make an effect determination. The survey information includes class III surveys for drill pads G-22, R-01 and their access corridors, pad DUG- H-01 and its access corridor and DUG 04, DUG-01, DUG-08, DUG-09, DUG-07R-02, G-25, G-26, G- 28, G-30, DUG-02 and DUG-05 and their access corridors. These pads and access corridors can be located on the Mount Bartles and Pine Canyon 7.5 minuet Quad maps, Township 13S, R13E, sections 18, 20, 21, 29, and 30 and T13S, R12E sections 12, 13 and 14. Cultural resources were located consisting of two isolated findings. A rusted dinner knife with indented handle and four fragments of purple glass and a tan/ gray mudstone blade knife with a utilized end. These isolates were not recommended for nomination to the National Register of Historic Places. No other cultural resources were located and the Division concurs with the

applicant's determination of no effect. Concurrence from the SHPO was received by the Division on -------2009.

Findings:

The information is adequate to meet the requirements of this section of the regulations.

MAPS, PLANS, AND CROSS SECTIONS OF RESOURCE INFORMATION

Regulatory Reference: 30 CFR 783.24, 783.25; R645-301-323, -301-411, -301-521, -301-622, -301-722, -301-731.

Analysis:

Cultural Resource Maps

The application includes a site map of the areas surveyed for each of the three proposed access and drill pad sites. The maps have been prepared to an appropriate scale and clearly identify the site locations.

Findings:

The information is adequate to meet the requirements of this section of the regulations.

RECOMMENDATIONS:

The application is recommended for approval pending SHPO concurrence.

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