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TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

April 13, 2012

TO: Internal File

THRU: Steve Christensen, Lean *SKC*

FROM: James Owen, Engineer *JOE*

RE: Addition of 50 Acres to Permit Boundary, Canyon Fuel Company, Dugout Canyon Mine, C/007/039, Task #4054

SUMMARY:

On March 15, 2012 the Utah Division of Oil Gas & Mining received an application for an amendment to the Mining & Reclamation Plan (MRP) of the Dugout Canyon Mine. The application seeks approval to add 50 acres to the permit boundary to allow for continuous mining of the Gil 4b East and West panels.

This memo addresses the application's compliance with the engineering (R645-301-500) section of the Utah Coal Mining Rules. Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

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TECHNICAL ANALYSIS:

OPERATION PLAN

SUBSIDENCE CONTROL PLAN

Regulatory Reference: 30 CFR 784.20, 817.121, 817.122; R645-301-521, -301-525, -301-724.

Analysis:

The mining that will take place in the Gil 4b East and West panels will be done using continuous miners. No longwall mining will take place. Pillars will remain in place following the mining of these panels. Subsidence is not anticipated to occur in the area due to the fact that the mining will be strictly developmental.

Findings:

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

The application included an updated version of Plate 5-7, Proposed Mine Sequence and Planned Subsidence Boundary. The map included details for the potential subsidence boundary at the approximate 30 degree angle of draw.

Findings:

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

RECOMMENDATIONS:

Approval is recommended at this time
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