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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Michael O. Leavitt
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Division Director

August 24, 1999

To: File

Thru: Daron Haddock, Permit Supervisor

DRH

From: Stephen J. Demczak, Reclamation Specialist

SD

RE: Significant Revision, Canyon Fuel Company, Dugout Mine, ACT/007/039-SR99D, Folder #2, Carbon County, Utah

SUMMARY:

The proposed significant revision is to mine new permitted leases with the longwall mine method.

The permittee has made additional changes in chapter 5 not relative to the significant revision.

The information received is not found to be adequate for the changes made in chapter 5 that are not related to the significant revision.

TECHNICAL ANALYSIS:

OPERATION PLAN

SURFACE FACILITY MAP

Regulatory Reference: R645-301-512.120

Analysis:

Surface Facilities

The current surface facility map is not accurate with additions that have been made. A review of the map was made during the August complete inspection.

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On page 5-16, the two areas will not be disturbed as stated in the original MRP. These areas will need to be identified on plate 5-2, since the disturbed area has changed. A new calculation of "totaled" disturbed area is needed.

Finding:

Information provided in the proposed significant revision is not considered adequate to meet the requirements of this section. Prior to approval, the permittee must provide the following in accordance with:

R645-301-512.120. Plate 5-2 will need to be updated as requested in the August complete inspection. The new submission must identify the two areas which are not going to be disturbed as stated on page 5-16. Update the total disturbed area caused by mining in the MRP.

COAL RECOVERY

Regulatory Reference: R645-301-522

Analysis:

Coal Recovery

The coal recovery section has not been updated as stated on page 5-22. It is highly unlikely that 55% recovery is still the same. Longer longwall mining panels and additional mining leases should alter the 55% coal recovery.

Finding:

Information provided in the proposed significant revision is not considered adequate to meet the requirements of this section. Prior to approval, the permittee must provide the following in accordance with:

R645-301-522. Revise 55% coal recovery, if needed, and provide the necessary information and/or calculation for justification.

SUBSIDENCE

Regulatory Reference: R645-301-525

Analysis:

Subsidence Control Plan

The permittee has several future monitoring stations within the angle of draw and mainly near the center of the future mined out area created by longwall mining. There are no new monitoring stations along or outside the angle of draw. Therefore, it would be difficult to determine the effects of mining outside the angle of draw, if any occurs.

If future monitoring stations were placed around the perimeter of the angle of draw, this information should provide any impacts occurring beyond the angle of draw. Secondly, provide information to determine an accurate angle of draw. This could potentially give the permittee a lesser angle of draw and thus coal recovery would increase.

Finding:

The information provided in the proposed amendment is not considered adequate to determine subsidence that occurred outside the angle of draw. New submittal must justify and determine an accurate angle of draw for future coal leases. This potential information could increase the recoverable tons of coal in future leases.

R645-301-525. Revise plate 5-7 by reducing the number of future survey stations within the longwall panels and adding survey stations to determine: a) the true angle of draw for this area, and b) any subsidence outside the existing angle, if it would occur.