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TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

May 9, 2012

TO: Internal File

THRU: Steve Christensen, Permit Supervisor SC

FROM: Amanda Daniels, Environmental Scientist AD

RE: Changes in Water Monitoring, Canyon Fuel Company, LLC, Dugout Canyon Mine, C/007/0039, Task ID #4088

SUMMARY:

On October 25, 2011, the Division of Oil, Gas and Mining (the Division) received an application from Canyon Fuel Company, LLC (the Permittee) to revise the Dugout Canyon Mine mining and reclamation plan.

On April 25, 2012, the Division received a response to deficiencies from an April 19, 2012 letter and an April 24, 2012 phone conversation with Dugout representative, Vicky Miller. The Permittee proposes to remove four springs and one surface water monitoring location

The amendment is recommended for approval.

TECHNICAL MEMO

TECHNICAL ANALYSIS:

OPERATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Groundwater Monitoring

The application proposes to drop springs monitoring sites 200, 227, 259, and 322.

Based on the deficiencies listed in the December 20, 2011 letter from the Division the Permittee has indicated which sections will be undermined from 2012 through 2016 under their current mining plans. Springs 200, 227, 259, and 322 are not within any of the same sections where mining is planned for the next five years.

Surface Water Monitoring

The application proposes to drop stream monitoring at site 323. The Permittee has stated that no mining has occurred in this area.

Findings:

The application meets the water monitoring requirements of the State of Utah R645-Coal Mining Rules.

RECOMMENDATIONS:

The application should be approved at this time.