



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

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January 4, 2002

TO: Internal Files

FROM: Stephen J. Demczak, Sr. Reclamation Specialist/Engineering, Team Lead *SSD JDM*

RE: Gilson Water Well, Canyon Fuel Company, LLC., Dugout Mine, C/007/039-01H-1

**SUMMARY:**

Canyon Fuel Co., LLC has submitted a proposal to drill a water-well and construct an additional water tank. The well will be some 450 feet from the water tanks along the east side of the water tank access road. The well will be 300 feet in depth and will intercept water collecting in the Gilson seam. The drill pad will be fairly level, adjacent to and even with the roadway, extending five feet into the existing stream channel. A retaining wall for the pad will stand fifteen feet from the channel to the pad surface.

The water will be used for fire and dust suppression at the Dugout mine.

The Division under ACT/007/039-AM99G on January 14, 2000 first reviewed the application for the Gilson Seam Well. The application was withdrawn and resubmitted on August 4, 2001 and given the file number C/007/039-AM01H.

**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**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.

TECHNICAL MEMO

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**Analysis:**

The permittee updated the surface facility map Plate 5-2 to show the new surface disturbance is within the disturbed area.

**Findings:**

The information provided meets the minimum requirements. Map 5-2 has been updated showing the Gilson well within the disturbed area.

## **RECLAMATION PLAN**

### **APPROXIMATE ORIGINAL CONTOUR RESTORATION**

Regulatory Reference: 30 CFR Sec. 784.15, 785.16, 817.102, 817.107, 817.133; R645-301-234, -301-270, -301-271, -301-412, -301-413, -301-512, -301-531, -301-533, -301-553, -301-536, -301-542, -301-731, -301-732, -301-733, -301-764.

**Analysis:**

The permittee has a cross-section YY-YY' on Plate 5-3, showing the cuts and fills for the Gilson well. The permittee has also provided final reclamation cross-section YY-YY' on Plate 5-6. This plate shows the final cuts and fill for reclamation of this area. The pre-disturbance contours are on Plate 5-2 (prior to construction on the Gilson well) and Plate 5-5 (Reclamation Topography) is the final reclamation contours. The comparing of the pre-disturbance and final contour shows that the permittee will be reclaiming this area to the approximate original contour. These contours are nearly identical.

**Findings:**

Information (map) was provided in the submittal; therefore, the proposed amendment is considered adequate to meet the requirements of this section

## **BONDING AND INSURANCE REQUIREMENTS**

Regulatory Reference: 30 CFR Sec. 800; R645-301-800, et seq.

### **Analysis:**

#### **General**

The bonding cost for the removal of the water tank and reclamation of the water well site is approximately \$7,649. The Dugout mine is bonded for an amount of \$3,682,000. The Gilson Well and other projects such as the facility move, and leach field combined are below the 5 percent of the total bond. The current bond is sufficient to cover this amount and changes to the bond will be required. The permittee has given reclamation cost on appendix 5-6.

### **Findings:**

The permittee has met the minimum requirements for this section of the R645 Coal Rules.

### **RECOMMENDATIONS:**

The permittee has met the minimum requirements of the R645 Coal Rules. Therefore, this amendment is recommended for approval.