



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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October 6, 1988

TO: John Whitehead, Permit Supervisor

FROM: Jim Fricke, Reclamation Hydrologist *JF*

RE: Water Monitoring Field Measurements, Beaver Creek Coal Company, Trail Mountain #9 Mine, ACT/015/009, Folder No. 2, Emery County, Utah

Synopsis

On October 4, 1988, Division personnel Henry Sauer and Jim Fricke obtained field measurements for selected springs at the Trail Mountain #9 Mine. Additionally, several coal exploration drill hole sites were observed to verify reclamation.

Analysis

Water monitoring locations are shown on Figure 7-3 of the Tract II permit. Springs T-4, T-17 and T-22 appear to be identified in the wrong location on Figure 7-3.

Exploration drill holes TM-DH-1, TM-DH-3 and TM-DH-4 were not drilled during the 1988 season. TM-DH-2 was drilled and the site was partially reclaimed on October 4, 1988. Borehole TMX-3 was being drilled at the present time; reclamation was completed at drill holes TMX-1 and TMX-9. Reclamation was not complete at drill hole TMX-4. Boreholes TMX-1, 3, 4 and 9 are not discussed in the approved coal exploration permit.

Field Data

Springs T-7, T-11, T-16, and T-17 were sampled for field parameters on October 4, 1988.

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Field Parameters

Station ID	Time	Water Temp °F	Flow (gpm)	pH	Conductivity
*T-7	2:15pm	56.0	6.5	7.0	554
*T-11	1:50pm	55.0	2.8	6.9	775
T-16	3:10pm		Dry		
*T-17	11:50am	55.0	2.25	6.9	474

* Springs identified on Figure 7-3 as currently being monitored for baseline data, these springs are not in the approved water monitoring program.

Recommendations

The operator should submit an accurate Figure 7-3. Spring locations should be verified and water monitoring locations should comply with the approved plan.

Beaver Creek Coal Company should submit an exploration plan for all exploration boreholes.

djh
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