



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 17, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor
FROM: Jess Kelley, Reclamation Engineer *JK*
RE: Subsidence Monitoring Section of Annual Report, Beaver Creek Coal Company, Trail Mountain #9 Mine, ACT/015/009, Folder #2, Emery County, Utah

Synopsis

On March 29, 1990, the Division received from Beaver Creek Coal Company the 1989 Annual Report for the Trail Mountain #9 Mine. This memorandum constitutes this writer's review of the subsidence section of the annual report and his findings concerning it.

Analysis

The subsidence survey for the Trail Mountain #9 Mine is conducted yearly by Bruce T.S. Ware Land Surveyors of Helper, Utah. The survey consists of numerical data from 108 survey stations. The locations of the survey stations are shown on Figure 12-6 of the annual report.

The subsidence measured at the 108 survey stations ranges from 0.01 feet to 1.34 feet, with the average being about 0.24 feet.

This writer is satisfied with the subsidence section of the annual report. It is complete, understandable and in accordance with the subsidence monitoring plan set forth in the Permit Application Package.

Recommendation

It is recommended that the subsidence section of Trail Mountain #9 Mine's 1989 annual report be approved by the Division.

djh
AT60/31