



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

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, Gordon Creek #2, #7 and #8 Mines, ACT/007/016, Folder #6, Carbon County, Utah

Synopsis

On March 29, 1990, the Division received from Beaver Creek Coal Company the 1989 Annual Report for the Gordon Creek #2, #7 and #8 Mines. 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 Gordon Creek #2, #7 and #8 Mines is conducted yearly by R.D.N. Surveying of Boulder City, Nevada. The survey consists of numerical data from 42 survey stations. The locations of the 42 stations are shown on a map entitled "Gordon Creek No. 2 Mine", a copy of which is included in the annual report.

The subsidence measured at the 42 survey stations ranged from 0 inches to 6 inches, with the average being about 3 inches.

A notable occurrence during 1989 was the subsidence of the control point, designated "H". Point H fell about 4.11 feet, making necessary a recalculation of all the gathered data.

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 Gordon Creek's 1989 annual report be approved by the Division.

djh
AT60/29