


 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, Gordon Creek #3 and #6 Mines, ACT/007/017, 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 #3 and #6 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 #3 and #6 Mines is conducted yearly by R.D.N. Surveying of Boulder City, Nevada. The survey consists of numerical data from six survey stations and of an aerial survey and ground inventory. The locations of the six survey stations are shown on a map entitled "Gordon Creek #2 Mine", a copy of which is included in the annual report.

Subsidence measured at the six survey stations ranges from 0.06 feet to 0.14 feet, with the average being about 0.09 feet.

The aerial survey and ground inventory revealed no surface effects of subsidence except some slumping over what used to be the #3 Mine portal. Springs and seeps in the area were flowing at normal capacity.

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
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