



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

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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, Huntington #4 Mine, ACT/015/004, Folder #6, Emery County, Utah

Synopsis

On March 29, 1990, the Division received from Beaver Creek Coal Company the 1989 Annual Report for the Huntington #4 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 Huntington #4 Mine, which is now in the midst of final reclamation, is conducted yearly by Environmental Inventory Services (E.I.S.) of Price, Utah. The survey consists of an aerial survey and a ground inventory. The object of both is the acquisition of qualitative indications of surface effects of subsidence.

Neither the aerial survey nor the ground inventory revealed any evidence of subsidence. Cracks and surface deformations were absent and springs and seeps in the area were flowing at normal capacity. EIS personnel also spoke with the members of a Utah Power and Light Company survey crew who had surveyed the area extensively for the installation of a power transmission line. None of the members of the survey crew had noticed surface indications of subsidence.

This writer is satisfied with the subsidence section of the annual report. It is complete and understandable and is in accordance with agreements made with the Division, all of which are documented in the annual report.

Recommendation

It is recommended that the subsidence section of Huntington #4 Mine's 1989 annual report be approved by the Division.

djh
AT60/32



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July 6, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor
FROM: Susan White, Reclamation Biologist *SW*
RE: 1989 Annual Vegetation Report, Beaver Creek Coal Company,
Huntington #4, ACT/015/004, Folder #2, Emery County, Utah

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Analysis

No vegetation report was submitted.

Recommendation

The vegetation monitoring report should include at minimum qualitative observations of all interim and permanent revegetation on site.

djh
AT63/23