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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
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, Plateau Mining Company, Starpoint Mine, ACT/007/006, Folder #2, Carbon County, Utah

## Synopsis

On April 23, 1990, the Division received from Plateau Mining Company the 1989 Annual Report for the Starpoint Mine. This memorandum constitutes this writer's review of the subsidence report and his findings concerning it.

## Analysis

The subsidence survey for the Starpoint Mine is conducted yearly by in-house personnel. The survey consists of numerical data from 113 survey stations and of a ground survey. The locations of the 113 survey stations are shown on Map 61A and Map 61C. The data from the stations are represented graphically as a set of four subsidence profiles. Several plots of subsidence versus time are also included with the subsidence profiles.

The ground survey revealed only minor surface damage from subsidence. Springs and seeps in the area were flowing at normal levels. Early in 1989, a U.S. Forest Service road was damaged by a subsidence crack, but the damage was soon repaired to the Forest Service's satisfaction.

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 Starpoint Mine's 1989 annual report be approved by the Division.

djh  
AT60/34