

April 27, 1983

Memo to Coal File:

RE: Consolidation Coal Company  
Emery Deep Mine  
ACT/015/015  
Folder No. 10  
Emery County, Utah

On April 26, 1983 Cy Young, Steve Cox, Tom Munson and Ev Hooper visited a suspected site of subsidence associated with the Emery Deep Mine. The area of suspect lies in the eastern half of Section 28, Township 22 South, Range 6 East. This was a follow-up inspection on a complaint from a Mr. Jensen, who felt that areas of puddling in his irrigated fields were being caused by subsidence over mined out areas of the Emery Deep Mine.

A large saline seep in one field was looked at and the concensus of opinion was that the seep was not a recent one but looked to be larger this year than in years past. It is quite evident that many areas around Emery have saline problems especially with this past winter being so wet. The staff walked over the whole area looking for more definitive evidence of subsidence; power poles out of alignment, fissures, ground heaving. No such evidence was found.

Ron Thompson at the Emery Deep Mine, showed us recent mine maps indicating that pillars have been pulled under the area of concern. He also said that drilling in the area shows 100 feet of competent sandstone overlying the mineable seam. This should be a deterrent to subsidence. The mine will be doing a subsidence survey in May and from the data gathered then, we will be better able to tell if there has been a lowering of these fields due to subsidence. At the present time there exists no surficial evidence to indicate subsidence. This does not rule out the possibility, especially if its a gradual lowering of the overburden over the mined out seam. I feel we should wait for the subsidence survey to be made in May before we make any decisions on future action.

  
CY YOUNG  
ENGINEERING GEOLOGIST

CJY/lm

cc: Lynn Kunzler, DOGM

Statistics:

Vehicle: EX #45429 - 448 miles