



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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TO: File

THRU: Daron Haddock, Permit Supervisor *DQH*

FROM: Paul Baker, Reclamation Biologist *PB*

RE: Alternate Sediment Controls in Hardscrabble Canyon, AMAX Coal Company, Castle Gate Mine, ACT/007/004, Folder #2, Carbon County, Utah

In 1993, the canyon containing the No. 4 Mine in Hardscrabble Canyon was reclaimed. Further work was done in 1995 with limited additional seeding in 1996. Sediment control consisted of a series of silt fences installed parallel with the contour.

These silt fences caught some runoff and limited the amount of sediment leaving the site for the first several months until vegetation started to become established, but they no longer serve a purpose. Vegetation is now established to where it is controlling erosion. Before leaving the Division, Steve Johnson, Division Hydrologist, looked at the area, and he also felt the silt fences were no longer needed. The ineffectiveness of the silt fences was one of the reasons the sediment control designs were changed for the rest of the areas to be reclaimed at the Castle Gate Mine.

With my verbal concurrence, the permittee has begun removing the silt fences. I instructed the permittee to continue removing the silt fences and said I would write this memo documenting my conclusions.