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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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May /9, 1989

TO: File

FROM: David Darby, Geologist 

RE: Incidental Boundary Change, Soldier Canyon Mine, Soldier Creek Coal Company, ACT/007/018, Folder #2, Carbon County, Utah

Summary

Soldier Creek Coal Company (SCCC) submitted a proposal for an Incidental Boundary Change (IBC) on April 17, 1989. SCCC intends to develop and mine a 10 acres within the newly acquired State Lease ML-44365.

Analysis

Initial hydrologic concerns for this proposal stemmed from plans which called for developing entries under and parallel to Soldier Creek. The following evaluation concludes that sufficient information has been presented to show that the intended mining during the interim of this ICB will incur a low potential of effecting the stream channel or structures.

Mining during the ICB will be restricted to the Rock Canyon coal seam. Mining of any other coal seams in Lease ML-44365 will be addressed in an upcoming proposal for mining the entire lease.

Mining of the ICB will take place where overburden is 1100 feet to 1250 feet thick (see Map E 032). A buffer zone has been established (Map E 052) using a 25 degree angle of draw. No secondary mining will take place within the buffer zone.

Soldier Creek Coal Company submitted pillar sizing and strength calculations (on May 15, 1989) which indicate that the pillars and roof span are adequate to support the overlying rock. A static safety factor of 2 has been calculated for pillar strength, which exceeds the minimum standards.

Recommendations

The information presented in this amendment is sufficient to address the hydrologic, geologic and subsidence concerns. This amendment is recommended for approval.

dwd

cc: S. Linner
M. DeWeese

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