



**Subsidence Legend**

- Previous Six-Month Mining
- Contemplated Mining
- Mining Completed
- Subsidence Control Plan Boundary
- Occupied Dwellings
- Unoccupied Structures

NOTE: Any Pillar That Disappears in Support Line Will Remain in Place

- SUPPORT AREAS**
- No Mining Within
  - 50 Percent Mining Only Within



SEP 15 2003

**FINAL MAP 4/30/98**  
**MODULE 195**  
 PREPARED FOR  
**VALLEY COAL COMPANY**  
 LEONARD RUN NO. 1 MINE  
 LOWER KITTTANNING COAL SEAM  
 IN TOWNSHIP  
 PINE TOWNSHIP, INDIANA COUNTY,  
 PENNSYLVANIA

D.D. Central City, PA 15926  
 814-784-6472  
 Musser Engineering, Inc.

SHEET 4 OF 10

I, Randall L. Musser, a Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify that the surveying and mine mapping conducted by Musser Engineering, Inc. after June 1, 1993, was conducted in accordance with generally accepted surveying standards for the mining industry, and is true and correct to the best of my knowledge and belief. All base map preparation for the mine, and all mine surveying and mapping prior to June 1, 1993, was completed by and certified by the engineering staff of Valley Coal Company and is not the responsibility of Musser Engineering, Inc.

MATCH TO SHEET 3