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**Subsidence Legend**

Previous Six-Month Mining [Symbol] To [Symbol]

Contemplated Mining [Symbol] To [Symbol]

Mining Completed [Symbol]

Subsidence Control Plan Boundary [Symbol]

Occupied Dwellings [Symbol] NOTE: Any Pillar That Straddles A Support Line Will Remain In Place.

Unoccupied Structures [Symbol]

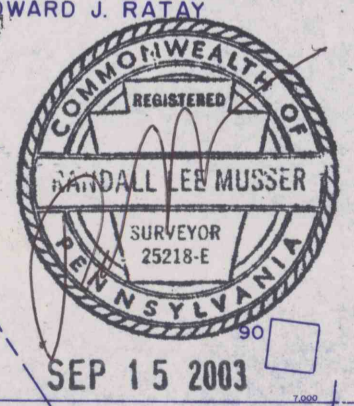
SUPPORT AREAS:

No Mining Within [Symbol]

50 Percent Mining Only Within [Symbol]

"Gas Well" Pillar Support Area [Symbol] NOTE: All Entry and Cross-Cut Within Shall Not Exceed 15 Feet Within The Pillar Support Area.

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 conducted by and certified by the engineering staff of Valley Coal Company and is not the responsibility of Musser Engineering, Inc.



**FINAL MAP 4/30/98**  
**MODULE 19.5**

**VALLEY COAL COMPANY**

LEONARD RUN NO. 1 MINE  
 LOWER RITTANNING COAL SEAM  
 PINE TOWNSHIP, INDIANA COUNTY,  
 PENNSYLVANIA

SCALE: 1" = 100'

RD. 1, Centre City, PA 16808  
 Musser Engineering, Inc.

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