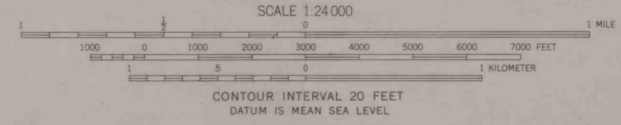




RE: Application No. 259  
Panaro Coal Co., Josephine M. Panaro, Applicant  
Map submitted in compliance with  
THE BITUMINOUS SUBSIDENCE AND LAND CONSERVATION ACT OF 1966  
Known as the Smith Mine  
Mining the Lower Freeport seam  
Situate in Susquehanna Township, Cambria County, Pa.  
Application dated: September 22, 1966

**FIELD COPY**  
Prepared by: Martin C. Kirsch, PE  
P. O. Box 597  
Spangler, Pa. 15775  
**PERMIT NUMBER - 169-1**

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography by photogrammetric methods from aerial  
photographs taken 1958. Field checked 1961  
Polyconic projection. 1927 North American datum  
10,000-foot grids based on Pennsylvania coordinate system,  
south and north zones  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
Fine red dashed lines indicate selected fence and field lines where



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U.S. Route (red circle) State Route (black circle)

HASTINGS, PA.