

Mapped, edited, and published by the Geological Survey  
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Topography by photogrammetric methods from aerial  
photographs taken 1953. Field checked 1954

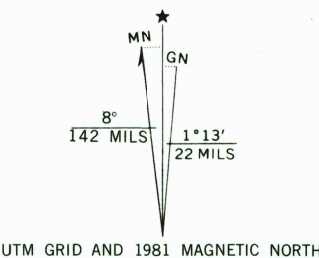
Polyconic projection. 10,000-foot grid ticks based on Pennsylvania  
coordinate system, north zone. 1000-meter Universal Transverse  
Mercator grid ticks, zone 17, shown in blue. 1927 North  
American Datum. To place on the predicted North American  
Datum 1983 move the projection lines 2 meters south and 20  
meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

Unlabelled wells are oil wells

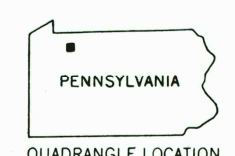
Oil and gas wells omitted in labeled oil field areas

There may be private inholding within the boundaries of the  
National or State reservations shown on this map



SCALE 1:24,000

CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ROAD CLASSIFICATION  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U.S. Route ——— State Route ———

WARREN, PA.

41079-G2-TF-024

1954  
PHOTOREVISED 1981  
DMA 5167 1 SW-SERIES V831

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

RECEIVED  
FEB 28 1999  
USGS/NA  
HISTORICAL MAP ARCHIVES

