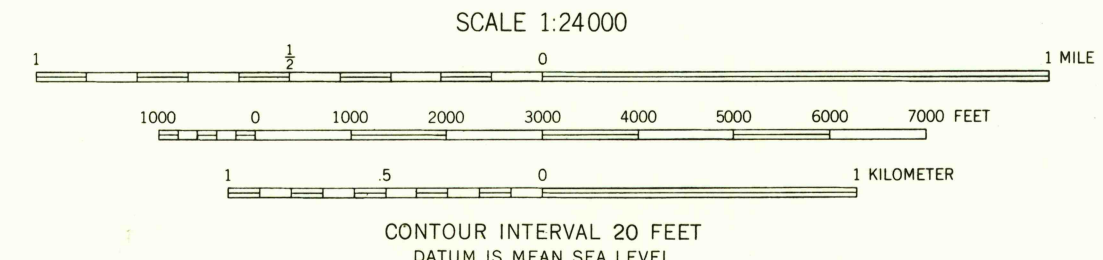
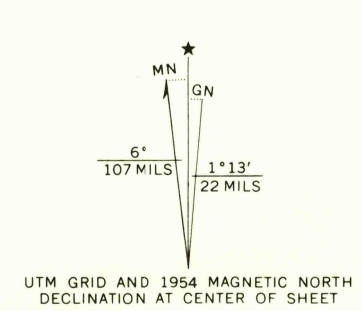


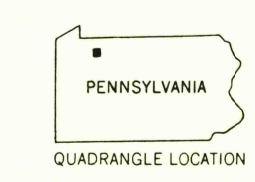


Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods. Aerial photographs taken 1953. Field check 1954
Polyconic projection. 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system, north zone
Red tint indicates area in which only landmark buildings are shown
Unlabelled wells are oil wells
Oil and gas wells omitted in labeled oil field areas
Unchecked elevations are shown in brown
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue



USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

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



WARREN, PA.
SW/4 WARREN 15' QUADRANGLE
N4145—W7907.5/7.5
1954
AMS 5167 I SW—SERIES V831

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

OCT 1 4 1965