

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA  
DEPARTMENT OF INTERNAL AFFAIRS  
TOPOGRAPHIC AND GEOLOGIC SURVEY

SAXONBURG QUADRANGLE  
PENNSYLVANIA—BUTLER CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE 1/4 BUTLER 15' QUADRANGLE



Structure is based on the Upper Freeport Seam  
Information was copied from Coal Resources of  
Butler County (mountain areas and structure)

Proposed Herman Deep Mine Area  
Existing Deep Mine Area  
Existing Surface Mine Area  
Upper Freeport Seam (see below map)

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1952. Field check 1958  
Polyconic projection, 1927 North American datum  
10,000-foot grid based on Pennsylvania coordinate system,  
south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
Fine red dashed lines indicate selected fence and field lines visible  
on aerial photographs. This information is unchecked  
Unlabeled wells are oil wells  
Unchecked elevations are shown in brown

UTM GRID AND 1969 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000  
CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

PENNSYLVANIA  
QUADRANGLE LOCATION

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

SAXONBURG, PA.  
SE 1/4 BUTLER 15' QUADRANGLE  
N 4045—W 7945/7.5  
1958  
PHOTOREVISED 1969  
AMS 5065 IV SE—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

Revisions shown in purple compiled in cooperation with  
State of Pennsylvania agencies from aerial photographs  
taken 1969. This information not field checked