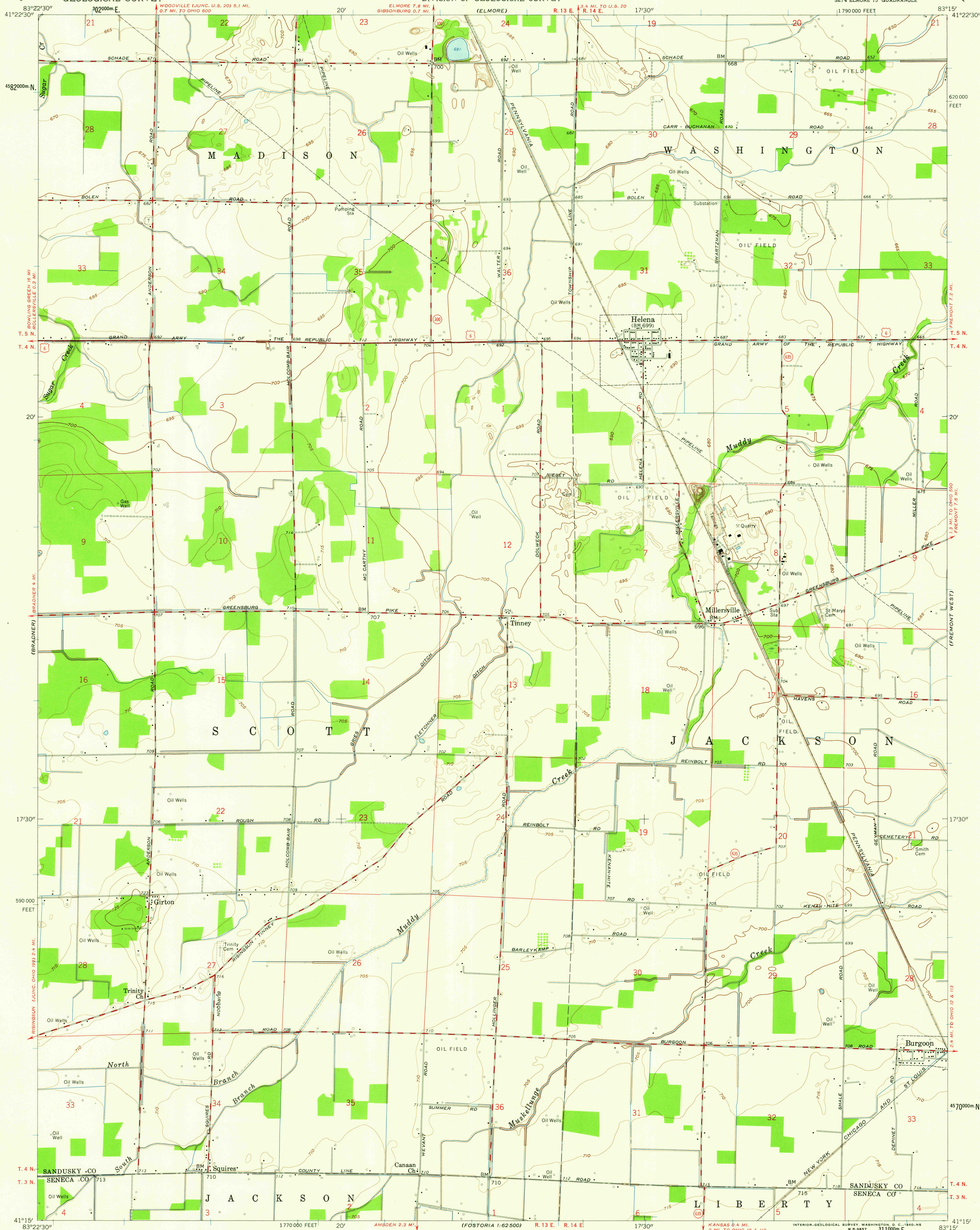


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY

HELENA QUADRANGLE
OHIO
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE 1/4 ELMORE 15' QUADRANGLE



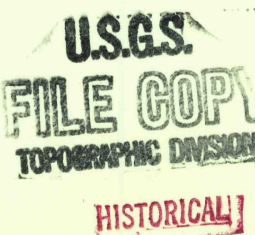
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Culture and drainage from controlled aerial photomosaic
Aerial photographs taken 1951
Topography by planetable surveys 1959
Polyconic projection, 1927 North American datum
10,000-foot grid based on Ohio coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue
Land lines based on First Principal Meridian

APPROXIMATE MEAN
DECLINATION, 1959

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



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



HELENA, OHIO
SE 1/4 ELMORE 15' QUADRANGLE
N4115-W8315/7.5

1959

OCT 10 1960

HISTORICAL 1980