UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MELBOURNE QUADRANGLE
ARKANSAS-IZARD CO.
15 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946. Field check 1950-1951

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arkansas coordinate system, north zone

Unchecked elevations are shown in brown

SCALE 1:62500

1 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1951
TRUE NORTH
MAGNETIC NORTH

ROAD CLASSIFICATION

Heavy-duty — 4 LANE, 6 LANE — Light-duty
Medium-duty — 4 LANE, 6 LANE — Unimproved dirt
U. S. Route — State Route

RECONNAISSANCE GEOLOGIC MAP OF THE MELBOURNE QUADRANGLE, ARKANSAS

Compiled from field observations and subsurface data by Ernest E. Glick, U. S. Geological Survey, in cooperation with the Arkansas Geological Commission. This map was compiled during the preparation of the Geologic Map of Arkansas, 1976; it may be revised extensively when new data become available.

MELBOURNE, ARK.
N3600—W9145/15

1951

Horseshoe Bend WW, sec 8 18N 7W: Ele. 920±
Oe +920
Opw +700+
Oc +655

800
BL
Opw
Oc 735

Cedar Glade Lake
White Oak L.

Franklin City WW #2: SWSE sec 31 18N-7W Ele: 650±
Oe +710 (not on map)
Opw 1470
Oc +80
Ojc -350
Or

Oe +710
Opw 680
honeycomb chert (not Black Ledge)

G
Gravel (Tertiary?)

Boone Fm.

Opj
Plattin Ls. & Joachim Dol.

Ospe
St. Peter Ss. & Everton Dol. Co where thin

Opw
Powell Dol.

honeycomb chert

Oc
Cotter Dol.

Structure Contours drawn on the base of the Everton Fm.