



Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and USCE

Topography from aerial photographs by multiples  
Aerial photographs taken 1955. Field check 1965  
Arkansas Geological Commission  
3815 West Roosevelt Road  
Little Rock, AR 72204

Photocentric projection, 1927 North American datum  
30,000-foot grids based on Arkansas coordinate system  
north zone, and Oklahoma coordinate system, south zone  
To place on the projected North American Datum 1983  
move the projection lines 7 meters south and  
19 meters east as shown by dashed corner ticks  
1000-meter Universal Transverse Mercator grid ticks,  
zone 15, shown in blue  
These may be private inholdings within the boundaries of  
the National or State reservations shown on this map  
Unchecked elevations are shown in brown

**MASTER COPY**

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092,  
ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204,  
AND OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Arkansas Geological Commission  
3815 West Roosevelt Road  
Little Rock, AR 72204

Revisions shown in purple  
photographs taken 1977. Map edited 1978  
This information not field checked

*Handwritten signature: C. G. M. & S.*

ROAD CLASSIFICATION  
Light duty

LOVING, OKLA.-ARK.  
5914 BATES 15 QUADRANGLE  
N3445-W9422.5/7.5  
1968  
PHOTOREVISED 1978  
DMA 7153 T5 59-SERIES V884