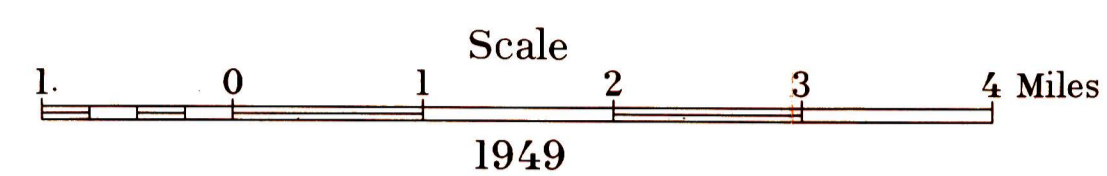


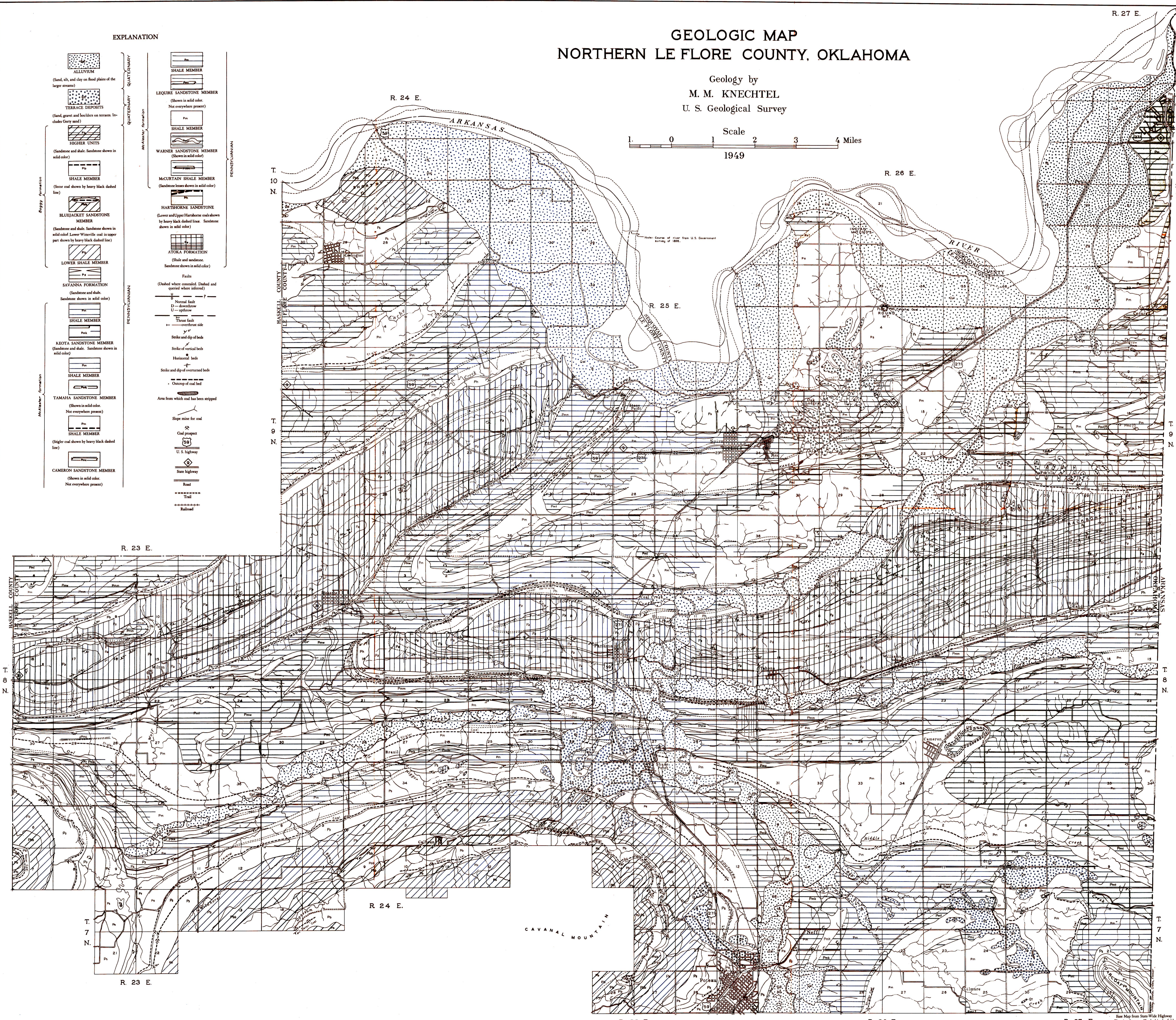
GEOLOGIC MAP NORTHERN LE FLORE COUNTY, OKLAHOMA

Geology by
 M. M. KNECHTEL
 U. S. Geological Survey



EXPLANATION

<p>QUATERNARY</p> <p>ALLUVIUM (Sand, silt, and clay on flood plains of the larger streams)</p> <p>TERRACE DEPOSITS (Sand, gravel and boulders on terraces. Includes Gerry sand)</p> <p>HIGHER UNITS (Sandstone and shale. Sandstone shown in solid color)</p> <p>SHALE MEMBER (Some coal shown by heavy black dashed line)</p> <p>BLUEJACKET SANDSTONE MEMBER (Sandstone and shale. Sandstone shown in solid color. Lower Waverly coal in upper part shown by heavy black dashed line)</p> <p>LOWER SHALE MEMBER (Sandstone and shale. Sandstone shown in solid color)</p> <p>SAVANNA FORMATION (Sandstone and shale. Sandstone shown in solid color)</p> <p>SHALE MEMBER</p> <p>NEOTA SANDSTONE MEMBER (Sandstone and shale. Sandstone shown in solid color)</p> <p>SHALE MEMBER</p> <p>TAMAHAWK SANDSTONE MEMBER (Shown in solid color. Not everywhere present)</p> <p>SHALE MEMBER (Slighter coal shown by heavy black dashed line)</p> <p>CAMERON SANDSTONE MEMBER (Shown in solid color. Not everywhere present)</p>	<p>MISSISSIPPIAN</p> <p>LEQUIRE SANDSTONE MEMBER (Shown in solid color. Not everywhere present)</p> <p>SHALE MEMBER</p> <p>WARNER SANDSTONE MEMBER (Shown in solid color)</p> <p>MCCURTAIN SHALE MEMBER (Sandstone lenses shown in solid color)</p> <p>HARTSHORNE SANDSTONE (Lower and Upper Hartshorne coals shown by heavy black dashed line. Sandstone shown in solid color)</p> <p>ATOKA FORMATION (Shale and sandstone. Sandstone shown in solid color)</p>	<p>PENNSYLVANIAN</p> <p>Faults (Dashed where concealed. Dashed and dotted where inferred) N—Normal fault D—downthrow U—upthrow T—Thrust fault S—overthrust side</p> <p>Strike and dip of beds Strike of vertical beds Horizontal beds Strike and dip of overturned beds</p> <p>Outcrop of coal bed Area from which coal has been stripped</p> <p>Slope meter for coal Coal prospect U. S. highway State highway Road Trail Railroad</p>
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Base Map from State-Wide Highway Planning Survey. Checked in the field from aerial photographs, 1943-44.