OKLAHOMA GEOLOGICAL SURVEY
Charles J. Mankin, *Director*



## EXPLANATION

Post-Triassic rocks, undifferentiated

*UNCONFORMITY*

TRIASSIC

Tsp — SHEEP PEN SANDSTONE

Light-brown, thin-bedded, fine-grained sandstone, with vertical clastic plugs (cp) 380 feet deep or more; contains copper mineralization; 0–107 feet thick

Tsc — SLOAN CANYON FORMATION

Light-green to maroon mudstone and shale with some sandstone; 0–150 feet thick

Tt — TRAVESSER FORMATION

Orange-brown to red-brown, fine- to medium-grained, crossbedded sandstone, with some mudstone conglomerate; 245–550 feet thick; base not exposed

Contact

4500 — STRUCTURE CONTOUR

Depicts base of Sheep Pen Sandstone; dashed where projected; hachures indicate closed depression; contour interval, 100 feet

× 4570 — OUTCROP POINT

Used for structural control; number indicates altitude in feet of base of Sheep Pen Sandstone

Known mine or prospect

# GEOLOGIC MAP OF TRIASSIC FORMATIONS IN CIMARRON COUNTY, OKLAHOMA, BACA COUNTY, COLORADO, AND NORTHEASTERN UNION COUNTY, NEW MEXICO, SHOWING COPPER DEPOSITS

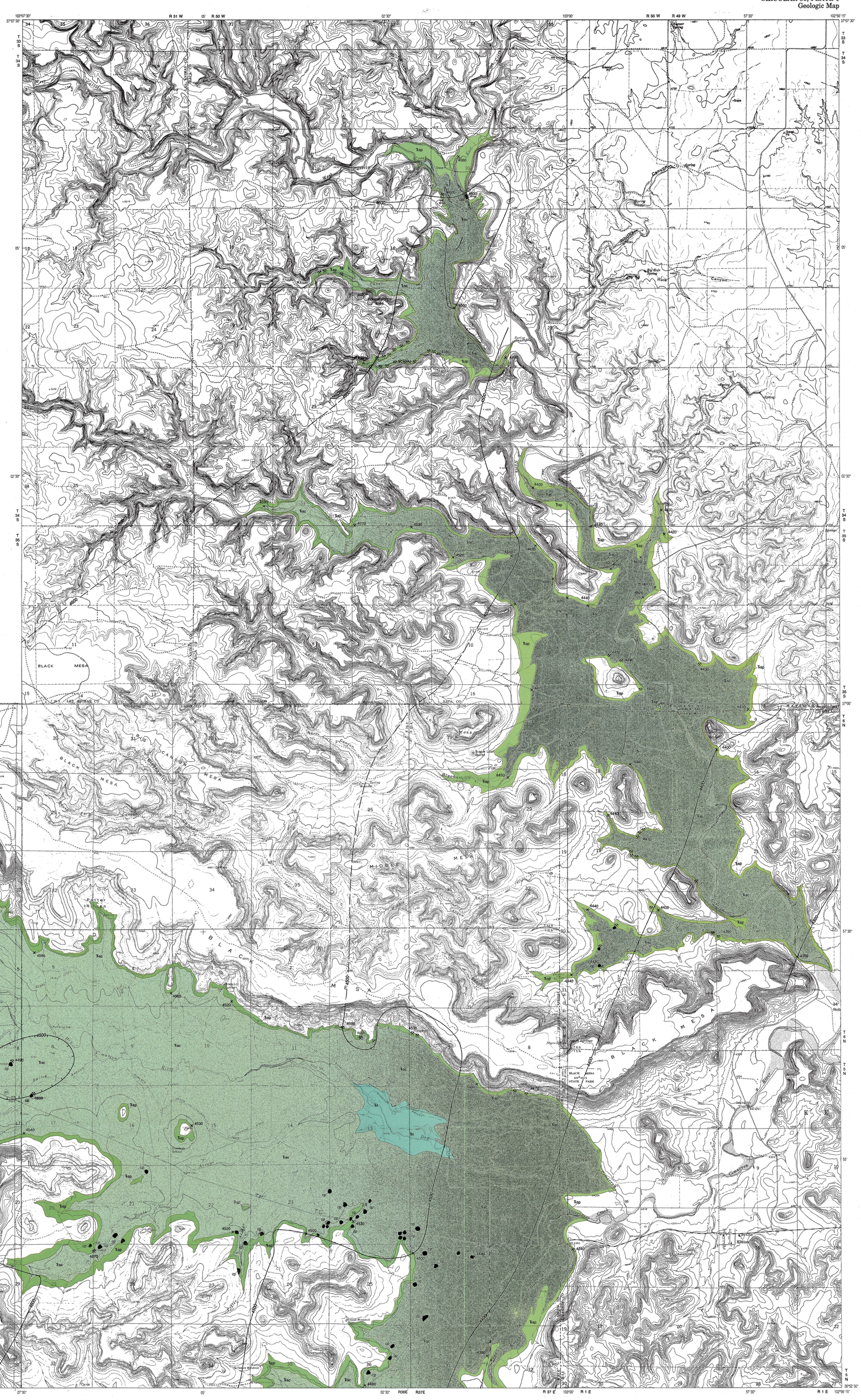
Compiled by
Robert O. Fay
1983

SCALE 1:31 680

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Base from U.S. Geological Survey 7½-minute quadrangle map series: Big Hole Canyon, Colo., 1968; Furnish Canyon East, Colo.–N. Mex., 1978; Goodson School, N. Mex.–Okla., 1972; Kenton, Okla.–Colo., 1968; Wedding Cake Butte, N. Mex.–Colo., 1972

Geology compiled by R. O. Fay in 1980, after Stovall (1943), McLaughlin (1954), and Baldwin and Muehlberger (1959)