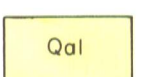
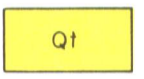


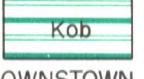
EXPLANATION



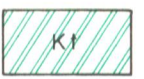
ALLUVIUM
(Gravel, sand, silt, and clay underlying present flood plains. Yields hard water to domestic and stock wells.)



TERRACE DEPOSITS
(Gravel, sand, silt, and clay underlying stream terrace. Yields moderate amounts of hard water to domestic and stock wells.)



OZAN and BROWNSTOWN FORMATIONS
undifferentiated
(Chalky marls and limestones with interbedded calcareous clays. Yields only enough water for domestic use.)



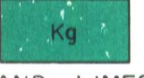
TOKID FORMATION
(Gray cross-bedded sand, interbedded with gray and dark-gray shales. Water yields probably less than 20 gpm.)



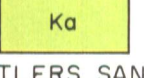
WOODBINE FORMATION
(Sandy member, Kwbs, mostly gray to brown cross-bedded quartz sand and sandy gravel. Tuffaceous member, Kwbt, principally cross-bedded dark tuffaceous sand with red clay and gravel lentils. Each member yields enough water for domestic and stock use.)



WASHITA GROUP and KIAMICHI FORMATION
(Gray fossiliferous limestone and calcareous dark-blue shale. Thins eastward. Yields small amounts of hard water from solution openings and cracks in limestone.)



GOODLAND LIMESTONE
(Thin-bedded compact limestone at the top; chalky and massive limestone in lower part. Does not yield much water to wells.)



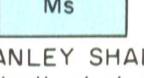
ANTLERS SAND
(Mostly quartz sand with some interbedded clay and a few shaly limestone lentils. Contains large amounts of ground water; maximum yield about 260 gpm. Probably could supply sufficient water for irrigation.)



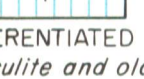
DE QUEEN LIMESTONE
(Clayey limestone, blue-gray and gray. Thins westward. Water wells in it have small yields and are easily exhausted.)



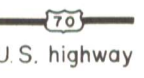
HOLLY CREEK FORMATION
(Gravel, mostly interbedded with silt and clay. Thins westward. Yields water for home and stock use.)



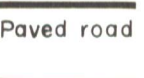
STANLEY SHALE
(Principally dark shale.)



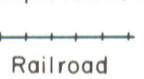
UNDIFFERENTIATED ROCKS
(Arkansas novaculite and older strata of Paleozoic age.)



U.S. highway



State highway



Paved road



Improved road

Unimproved road

Railroad



Index map of Oklahoma showing location of mapped area (diagonal ruling)

GEOLOGIC MAP
OF
SOUTHERN McCURTAIN COUNTY, OKLAHOMA
 by
Leon V. Davis and Charles J. Fair
 1959



Mapping done under cooperative agreement between the Oklahoma Geological Survey and the United States Geological Survey